

Epic Consulting, Inc.  
providing solutions

SITE: J + W Pallet + Drum  
BREAK: 1.8  
OTHER: v. 2

**TRANSMITTAL**

**From Robert Brawner**

**Monday, April 04, 2005**

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**To:** Kathleen West  
U.S. Environmental Protection Agency, Region 4  
Atlanta Federal Center - 61 Forsyth St., SW  
Atlanta, GA 30303

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**Subject:** 1121/1135 Allene Street

Kat,

**As per Byron Cocke, please find the attached report documenting our groundwater sampling results at the above referenced property.**

**If you have any questions, please feel free to call.**

**Regards,**



**Robert Brawner**

1341 Canton Road, Suite E  
Marietta, Georgia 30066

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770.528.0200  
877.874.9931



**10546988**

[www.epicconsulting.com](http://www.epicconsulting.com)

SITE: J.W. Pallett + Drum  
BREAK: 1/8  
OTHER: v. 2.

April 4, 2005

**Epic Consulting, Inc.**  
providing solutions

Mr. Byron Cocke  
GRE Partners  
P.O. Box 55286  
Atlanta, Georgia 30308

Subject: **Modified Phase II Subsurface Investigation**  
**Commercial Property**  
**1121 – 1135 Allene Avenue**  
**Atlanta, Fulton County, Georgia 30313**  
**Epic Project #E4124**

Dear Mr. Cocke:

Epic Consulting, Inc. (Epic), is pleased to provide this report of the Modified Phase II Subsurface Investigation performed at the above-referenced properties. Epic performed this scope of work as per our proposal #1029 and the direction of Mr. Byron Cocke.

## **BACKGROUND**

The subject properties are on the west side of Allene Avenue, just south of Warner Street. A towing operation and junkyard currently operates at 1135 Allene Ave., while 1121 Allene Ave. is vacant. 1121 Allene Avenue is the site of a former drum and pallet company, specializing in the containment and onsite storage of Resource Conservation and Recovery Act (RCRA) regulated hazardous waste. The United State Environmental Protection Agency (EPA) lists the site as a small quantity generator of hazardous waste according to a report obtained from Environmental Data Resources, Inc. Epic understands the primary responsible party for the hazardous materials stored and/or generated at 1121 Allene Ave. is insolvent and/or unable to be located.

During conversations with EPA Region 4 Associate Regional Counsel, Susan E. Hansen, it has been learned that the EPA and their contractors have performed emergency remedial action at 1121 Allen Ave. The purpose of this action was to remove various hazardous wastes and storage containers from the subject facility. This report is provided as supplemental information to a Pollution Report that will be provided by the EPA at a later date.

The subject properties, specifically 1121 Allene Ave., generated, stored and disposed of unknown amounts of hazardous waste. Epic considers this an environmental concern to the subject properties and recommended a Modified Phase II Subsurface Investigation be performed to assess the potential impact to groundwater from the hazardous substances formerly stored and/or disposed at the subject property.

# Analytical Environmental Services, Inc.

## Sample/Cooler Receipt Checklist

Client Epic Consulting

Work Order Number 0410380

Checklist completed by Manue D Robinson 10/8/11  
Signature Date

Carrier name: FedEx  UPS  Courier  Client  US Mail  Other

Shipping container/cooler in good condition? Yes  No  Not Present

Custody seals intact on shipping container/cooler? Yes  No  Not Present

Custody seals intact on sample bottles? Yes  No  Not Present

Container/Temp Blank temperature in compliance? (4°C±2)\* Yes  No

Cooler #1 4°C Cooler #2  Cooler #3  Cooler #4  Cooler #5  Cooler #6

Chain of custody present? Yes  No

Chain of custody signed when relinquished and received? Yes  No

Chain of custody agrees with sample labels? Yes  No

Samples in proper container/bottle? Yes  No

Sample containers intact? Yes  No

Sufficient sample volume for indicated test? Yes  No

All samples received within holding time? Yes  No

Was TAT marked on the COC? Yes  No

Proceed with Standard TAT as per project history? Yes  No  Not Applicable

Water - VOA vials have zero headspace? No VOA vials submitted  Yes  No

Water - pH acceptable upon receipt? Yes  No  Not Applicable

Adjusted?  Checked by MDR

Sample Condition: Good  Other(Explain) \_\_\_\_\_

(For diffusive samples or AIHA lead) Is a known blank included? Yes  No

See Case Narrative for resolution of the Non-Conformance.

\* Samples do not have to comply with the given range for certain parameters.

## POTENTIAL RECEPTOR SURVEY

The subject property is in a lower pollution susceptibility area as defined by the Groundwater Pollution Susceptibility Map of Georgia published by the Georgia Geological Survey (Georgia Geologic Survey Hydrologic Atlas HA-20, 1992). Based on a review of the US Geological Survey (USGS) water well database, a  $\frac{1}{4}$ -mile radius visual reconnaissance, and an environmental database review, there are no reported active private, or public water supply wells located within a one-mile radius of the subject property. The nearest surface water body (potential receptor) is an unnamed creek located in Perkerson Park, approximately 4,000 feet south of the subject property. A USGS Well Search spreadsheet is included in Appendix D.

## GROUNDWATER ASSESSMENT

### *Soil Test Borings*

Mr. James Trichinotis of Epic mobilized to the site on October 8, 2004, with a truck-mounted drill rig utilizing hollow stem augers. Soil borings SB-1, SB-2, and SB-4 were advanced to a maximum depth of 30 feet below ground surface (bgs), while borings SB-3, SB-5, and SB-6 were advanced to 35 feet bgs. Ground water samples were obtained from the soil borings where it was encountered at depths ranging from 28 to 33 feet bgs, using a dedicated bailer.

The six ground water quality samples were field preserved, labeled, and placed on ice prior to delivery for laboratory analysis. All groundwater samples were transported under standard Chain of Custody protocol. All soil borings were backfilled with bentonite.

Soil test boring locations are illustrated on Figure II of Appendix A.

### *Analytical Methods*

To assess the potential for hazardous waste impact, the groundwater samples were analyzed for Volatile Organic Compounds (VOCs) by EPA Method 8260B, total RCRA Metals by EPA Method SW6010B/3010A, mercury by EPA Method SW7470A, Poly-Chlorinated Biphenyls (PCBs) by EPA Method SW8082, Poly-Aromatic Hydrocarbons (PAHs) by EPA Method SW8270C, and Chlorinated Pesticides by EPA Method SW8081A. Analytical Environmental Services, Inc. of Atlanta Georgia conducted the laboratory analysis of the samples.

### *Applicable standards*

Reportable limits for groundwater contaminant concentrations in the subject facility groundwater are defined by Georgia Environmental Protection Division (EPD) Rules "Hazardous Sites Response" (HSR), Chapter 391-3-19 (3).

### ***Analytical Results***

Two groundwater samples, SB-1 and SB-4, contained 20 and 10 micrograms per liter ( $\mu\text{g}/\text{L}$ ) of tetrachloroethene (PCE), respectively. Remaining VOCs were not detected above laboratory detection limits in the six groundwater samples analyzed.

Groundwater samples SB-1, SB-2, SB-3, SB-4, and SB-5 contained detectable concentrations of total lead. Groundwater samples SB-3, SB-4, and SB-5 contained total lead concentrations above published EPD HSR Rules, Appendix III, Table 1.

Groundwater samples SB-1, SB-3, SB-4, and SB-5 contained detectable concentrations of total chromium. Groundwater samples SB-3, SB-4, and SB-5 contained total chromium concentrations above published EPD HSR Rules, Appendix III, Table 1 values.

All six groundwater samples contained detectable concentration of total barium. Groundwater samples SB-3, SB-4, and SB-5 contained total barium concentrations above EPD HSR Rules, Appendix III, Table 1.

None of the six ground water quality samples analyzed contained PAHs, pesticides, and/or PCBs above laboratory reporting limits.

The laboratory analytical results are presented on Figure III of Appendix A, and in Tables 1 and 2 of Appendix B. Laboratory analytical reports are included in Appendix C.

### **CONCLUSIONS**

The following conclusions are relevant to the evaluation of site environmental quality:

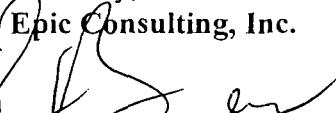
- No public or private water sources were discovered within a one-mile radius of the subject property.
- Potentially, a reportable release of barium, chromium and lead has been discovered in the subject facilities' groundwater. However, total metal concentrations observed to date represent a worst-case metal concentration in the locations sampled. Further groundwater sampling using low-flow sampling and dissolved metal analysis may eliminate the requirement to report these concentrations to the Georgia EPD.
- A reportable release of PCE has been discovered in the subject facilities' groundwater.
- By law, the subject property owner should submit an Initial Release Notification reporting contaminant concentrations in the subject facilities' groundwater to the Georgia EPD Hazardous Sites Response Program within 30 days of being informed of this condition.

## CLOSURE

Epic appreciates the opportunity to be of service. If you should have any questions, please call.

Sincerely,

**Epic Consulting, Inc.**

  
James Trichinotis  
Project Manager



John R. Absalon, PG  
Reviewer/Principal Geologist

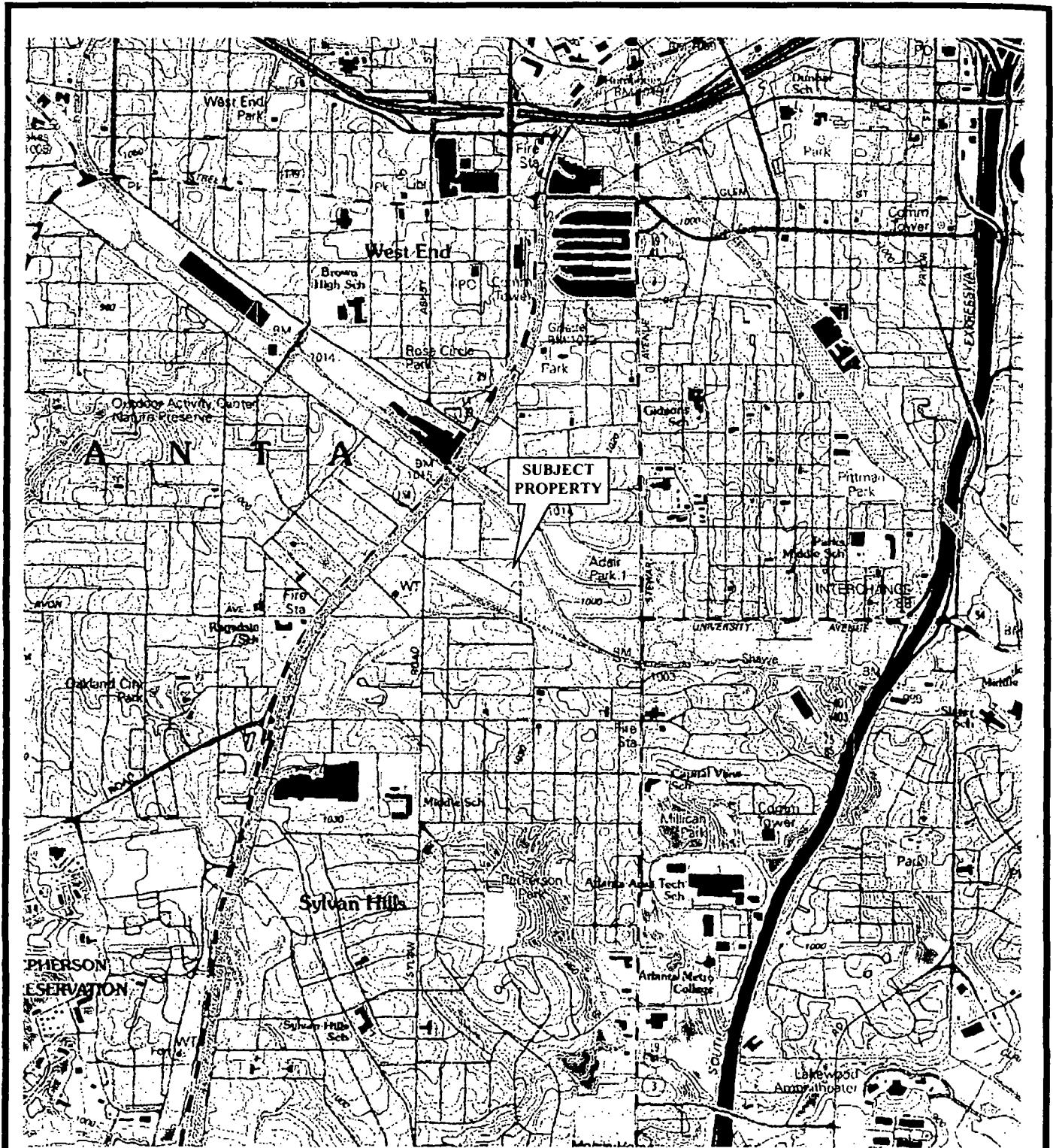
Attachments

Appendix A  
Appendix B  
Appendix C  
Appendix D

Figures  
Table  
Analytical Results  
Receptor Survey

**APPENDIX A**

**FIGURES**



Legend	Figure I – Topographic Map	Scale
Map Date: 1995	<p style="text-align: center;"><b>Commercial Property</b>  <b>1121 – 1135 Allene Avenue</b>  <b>Atlanta, Georgia 30313</b></p>	<p style="text-align: right;">0    1,000    2,000</p> <p style="text-align: right;"><math>1'' = 2,000'</math></p>
Source: USGS Southwest Atlanta, Georgia Quadrangle, 7.5-Minute, Topographic		
Epic Project #: E4124.01	JJT	Epic Consulting, Inc. providing solutions

# Commercial Property



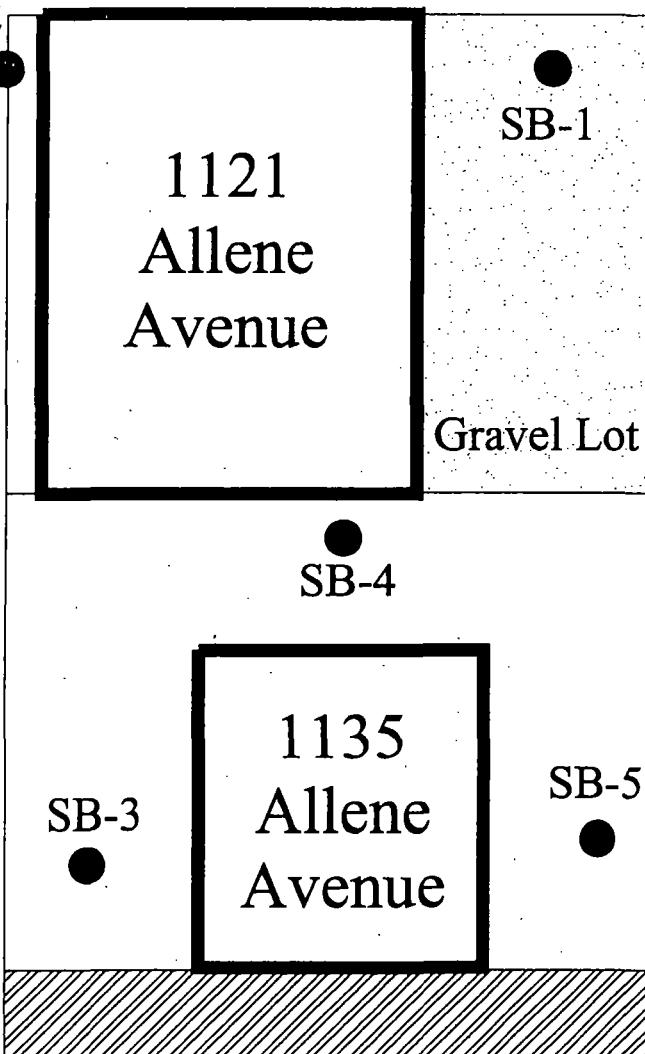
Warner Street

Commercial Property

SB-6

20' Alley Easement

SB-2



Allene Avenue

Commercial Property

Legend



Soil Boring Location

Figure II

Site Map  
Commercial Property  
1121 - 1135 Allene Avenue  
Atlanta, Fulton County, Georgia 30313

Scale

0 15 30

1" = 30'



SB-2	10/8/04
Ba: 0.56	Ch: BRL
Pb: 0.07	PCE: BRL

SB-1	10/8/04
Ba: 2.07	Ch: 0.02
Pb: 0.05	PCE: 20

Warner Street

SB-2

SB-6	10/8/04
Ba: 0.09	Ch: BRL
Pb: BRL	PCE: BRL

SB-6

SB-1

1121  
Allene  
Avenue

Gravel Lot

SB-4

SB-4	10/8/04
Ba: 2.53	Ch: 0.47
Pb: 0.53	PCE: 10

SB-3	10/8/04
Ba: 0.90	Ch: 0.29
Pb: 0.12	PCE: BRL

SB-3

SB-5

1135  
Allene  
Avenue

Allene Avenue

SB-5	10/8/04
Ba: 8.73	Ch: 1.16
Pb: 0.67	PCE: BRL

### Legend

● Soil Boring Location  
BRL - Below Reportable Limits

Sample #	Date
Barium	Chromium
Lead	Tetrachloroethene

Groundwater Quality Map  
Commercial Property  
1121 - 1135 Allene Avenue  
Atlanta, Fulton County, Georgia 30313

### Scale

SOURCE:

PROJECT#: E4124.01

JJT

Epic Consulting, Inc.

**APPENDIX B**

**TABLES**

# EPIC CONSULTING, INC.

Commercial Property  
1121 - 1135 Allene Avenue  
Atlanta, Georgia 30313

**TABLE 2: GROUNDWATER ANALYTICAL RESULTS**  
(Total Metals)

Sample Location	Date Sampled	Results in mg/L or parts per million								Total Metals
		Arsenic	Barium	Cadmium	Chromium	Lead	Selenium	Silver	Mercury	
SB-1	10/08/04	BDL	2.07	BDL	0.02	0.05	BDL	BDL	BDL	2.14
SB-2	10/08/04	BDL	0.56	BDL	BRL	0.07	BDL	BDL	BDL	0.63
SB-3	10/08/04	BDL	0.9	BDL	0.29	0.12	BDL	BDL	BDL	1.31
SB-4	10/08/04	BDL	2.53	BDL	0.47	0.53	BDL	BDL	BDL	3.53
SB-5	10/08/04	BDL	8.73	BDL	1.16	0.67	BDL	BDL	BDL	10.56
SB-6	10/08/04	BDL	0.09	BDL	BRL	BDL	BDL	BDL	BDL	0.09
<b>Applicable Standard</b>		<b>0.05</b>	<b>2</b>	<b>0.005</b>	<b>0.1</b>	<b>0.015</b>	<b>0.05</b>	<b>0.1</b>	<b>0.002</b>	<b>N/A</b>

N/A - Not Applicable

BRL - Below Detection Limits

Compiled by: JJT

Reviewed by: RB

# EPIC CONSULTING, INC.

Commercial Property  
1121 - 1135 Allene Avenue  
Atlanta, Georgia 30313

**TABLE 1: GROUNDWATER ANALYTICAL RESULTS**  
(Volatile Organic Compounds)

Sample Location	Date Sampled	Results in $\mu\text{g/L}$ or parts per billion	
		Tetrachloroethene	Total VOCs
SB-1	10/08/04	20	20
SB-2	10/08/04	BRL	BRL
SB-3	10/08/04	BRL	BRL
SB-4	10/08/04	10	10
SB-5	10/08/04	BRL	BRL
SB-6	10/08/04	BRL	BRL
<b>Applicable Standard</b>		<b>5</b>	<b>N/A</b>

N/A - Not Applicable

BRL - Below Detection Limits

Compiled by: JJT

Reviewed by: RB

**APPENDIX C**  
**LABORATORY ANALYTICAL RESULTS**



## ANALYTICAL ENVIRONMENTAL SERVICES, INC.

AES

October 12, 2004

James Trichinotis  
Epic Consulting, Inc.  
1341 Canton Road  
Suite E  
Marietta, GA 30066

TEL: (770) 528-0200  
FAX (770) 528-0201

RE: E4124

Order No.: 0410380

Dear James Trichinotis:

Analytical Environmental Services, Inc. received 3 samples on 10/8/2004 6:06:00 PM for the analyses presented in the following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative. AES' certifications are as follows:

- NELAC/Florida Certification number E87582 for analysis of Environmental Water, soil/hazardous waste, and Drinking Water, effective 06/01/04-04/30/05.
- AIHA Certification number 505 for analysis of Air, Paint Chips, Soil and Dust Wipes, effective until 02/01/07.

These results relate only to the items tested. This report may only be reproduced in full and contains 27 total pages (including cover letter).

If you have any questions regarding these test results, please feel free to call.

Sincerely,

Allison Cantrell  
Project Manager

**Analytical Environmental Services, Inc.**

Date: 12-Oct-04

**CLIENT:** Epic Consulting, Inc.  
**Project:** E4124  
**Lab Order:** 0410380

**CASE NARRATIVE****Pesticides Analysis by Method 8081:**

Percent recovery for the surrogate spiking compound decachlorobiphenyl on sample 0410380-003C was outside control limits biased low due to suspected matrix interference. All other surrogate recoveries were within control limits.

**PCB Analysis by Method 8082:**

Matrix spike and matrix spike duplicate recoveries for Aroclor 1016 and the surrogate TCMX on sample 0410397-002B were outside control limits biased high. LCS recovery was within control limits indicating possible matrix interference.



ANALYTICAL ENVIRONMENTAL SERVICES, INC

3785 Presidential Parkway, Atlanta GA 30340-3704

AES TEL: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

## CHAIN OF CUSTODY

Work Order: 041038

Date: 10/8 Page 1 of 1

COMPANY: <i>Epic</i>		ADDRESS: 1341 Canton Rd.				ANALYSIS REQUESTED										Visit our website <a href="http://www.aesatlanta.com">www.aesatlanta.com</a> to check on the status of your results, place bottle orders, etc.	No # of Containers				
						PCRA	Metals	VOCs	PARTS	PCBs	Pesticides										
PHONE: 770-528-0200		FAX: 770-528-0201				SAMPLED BY: <i>J. Jackson Jr.</i>		SIGNATURE: <i>J. Jackson Jr.</i>		PRESERVATION (See codes)										REMARKS	
#	SAMPLE ID	SAMPLING		DATE	TIME	Grab	Composite	Matrix (See codes)	H+I												
1	SB-1	10/8		X		GW	X X														
2	SB-2	↓		↓		↓	↓	↓													
3	SB-3	↓		↓		↓	↓	↓	X X X												
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					
13																					
14																					
RELINQUISHED BY		DATE/TIME		RECEIVED BY		DATE/TIME		PROJECT INFORMATION										RECEIPT			
<i>J. Jackson Jr.</i>		10/8		<i>Hot</i>		10/8 17 <sup>30</sup>		PROJECT NAME: E4124										Total # of Containers			
<i>Hot</i>		10-8-04 18 <sup>06</sup>		<i>Maurice Robins</i>		18:06 10/14		PROJECT #: E4124										Turnaround Time Request			
								SITE ADDRESS: 1121 Allene Ave.										Standard 5 Business Days			
								SEND REPORT TO: James										2 Business Day Rush			
																		Next Business Day Rush			
																		Same Day Rush (auth req.)			
																		Other _____			
SPECIAL INSTRUCTIONS/COMMENTS:		SHIPMENT METHOD												INVOICE TO (IF DIFFERENT FROM ABOVE)		STATE PROGRAM (if any). _____					
		OUT / /	VIA: _____													QUOTE #: _____	PO#: _____	E-mail? Y / N; Fax? Y / N			
		IN / /	VIA: _____															DATA PACKAGE: I II III IV			
CLIENT FedEx UPS MAIL COURIER																					
GREYHOUND OTHER _____																					

SAMPLES RECEIVED AFTER 3PM OR SATURDAY ARE CONSIDERED AS RECEIVED ON THE NEXT BUSINESS DAY; IF NO TAT IS MARKED ON COC AES WILL PROCEED AS STANDARD TAT.  
SAMPLES ARE DISPOSED OF 30 DAYS AFTER COMPLETION OF REPORT UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) O = Other (specify)

PRESERVATIVE CODES H+I = Hydrochloric acid + ice I = ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

**Analytical Environmental Services, Inc.**

Date: 12-Oct-04

**CLIENT:** Epic Consulting, Inc.  
**Lab Order:** 0410380  
**Project:** E4124  
**Lab ID:** 0410380-001

**Client Sample ID:** SB-1  
**Collection Date:** 10/8/2004

**Matrix:** GROUNDWATER

Analyses	Result	Rpt. Limit	Qual	Units	BatchID	DF	Date Analyzed
<b>METALS, TOTAL</b>							
Arsenic	BRL	0.0500	mg/L	50513	1		10/11/2004 1:33:00 P
Barium		2.07	0.0200	mg/L	50513	1	10/11/2004 1:33:00 P
Cadmium		BRL	0.0050	mg/L	50513	1	10/11/2004 1:33:00 P
Chromium		0.0209	0.0100	mg/L	50513	1	10/11/2004 1:33:00 P
Lead		0.0572	0.0100	mg/L	50513	1	10/11/2004 6:55:00 P
Selenium		BRL	0.0200	mg/L	50513	1	10/11/2004 1:33:00 P
Silver		BRL	0.0100	mg/L	50513	1	10/11/2004 1:33:00 P
<b>MERCURY, TOTAL</b>							
Mercury	BRL	0.00020	mg/L	50456	1		10/11/2004 3:44:05 P
<b>TCL VOLATILE ORGANICS</b>							
1,1,1-Trichloroethane	BRL	5.0	µg/L	50541	1		10/9/2004 1:08:00 PN
1,1,2,2-Tetrachloroethane	BRL	5.0	µg/L	50541	1		10/9/2004 1:08:00 PN
1,1,2-Trichloroethane	BRL	5.0	µg/L	50541	1		10/9/2004 1:08:00 PN
1,1-Dichloroethane	BRL	5.0	µg/L	50541	1		10/9/2004 1:08:00 PN
1,1-Dichloroethene	BRL	5.0	µg/L	50541	1		10/9/2004 1:08:00 PN
1,2,4-Trichlorobenzene	BRL	5.0	µg/L	50541	1		10/9/2004 1:08:00 PN
1,2-Dibromo-3-chloropropane	BRL	5.0	µg/L	50541	1		10/9/2004 1:08:00 PN
1,2-Dibromoethane	BRL	5.0	µg/L	50541	1		10/9/2004 1:08:00 PN
1,2-Dichlorobenzene	BRL	5.0	µg/L	50541	1		10/9/2004 1:08:00 PN
1,2-Dichloroethane	BRL	5.0	µg/L	50541	1		10/9/2004 1:08:00 PN
1,2-Dichloropropane	BRL	5.0	µg/L	50541	1		10/9/2004 1:08:00 PN
1,3-Dichlorobenzene	BRL	5.0	µg/L	50541	1		10/9/2004 1:08:00 PN
1,4-Dichlorobenzene	BRL	5.0	µg/L	50541	1		10/9/2004 1:08:00 PN
2-Butanone	BRL	10	µg/L	50541	1		10/9/2004 1:08:00 PN
2-Hexanone	BRL	10	µg/L	50541	1		10/9/2004 1:08:00 PN
4-Methyl-2-pentanone	BRL	10	µg/L	50541	1		10/9/2004 1:08:00 PN
Acetone	BRL	20	µg/L	50541	1		10/9/2004 1:08:00 PN
Benzene	BRL	5.0	µg/L	50541	1		10/9/2004 1:08:00 PN
Bromodichloromethane	BRL	5.0	µg/L	50541	1		10/9/2004 1:08:00 PN
Bromoform	BRL	5.0	µg/L	50541	1		10/9/2004 1:08:00 PN
Bromomethane	BRL	5.0	µg/L	50541	1		10/9/2004 1:08:00 PN
Carbon disulfide	BRL	5.0	µg/L	50541	1		10/9/2004 1:08:00 PN
Carbon tetrachloride	BRL	5.0	µg/L	50541	1		10/9/2004 1:08:00 PN
Chlorobenzene	BRL	5.0	µg/L	50541	1		10/9/2004 1:08:00 PN
Chloroethane	BRL	10	µg/L	50541	1		10/9/2004 1:08:00 PN
Chloroform	BRL	5.0	µg/L	50541	1		10/9/2004 1:08:00 PN
Chloromethane	BRL	10	µg/L	50541	1		10/9/2004 1:08:00 PN
cis-1,2-Dichloroethene	BRL	5.0	µg/L	50541	1		10/9/2004 1:08:00 PN
cis-1,3-Dichloropropene	BRL	5.0	µg/L	50541	1		10/9/2004 1:08:00 PN

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit		Reporting Limit	S	Page 1 of 7 Spike Recovery outside accepted recovery limits

# Analytical Environmental Services, Inc.

Date: 12-Oct-04

**CLIENT:** Epic Consulting, Inc.  
**Lab Order:** 0410380  
**Project:** E4124  
**Lab ID:** 0410380-001

**Client Sample ID:** SB-1  
**Collection Date:** 10/8/2004

**Matrix:** GROUNDWATER

Analyses	Result	Rpt. Limit	Qual	Units	BatchID	DF	Date Analyzed
<b>TCL VOLATILE ORGANICS</b>							
Cyclohexane	BRL	5.0	µg/L	50541	1	10/9/2004 1:08:00 PN	
Dibromochloromethane	BRL	5.0	µg/L	50541	1	10/9/2004 1:08:00 PN	
Dichlorodifluoromethane	BRL	10	µg/L	50541	1	10/9/2004 1:08:00 PN	
Ethylbenzene	BRL	5.0	µg/L	50541	1	10/9/2004 1:08:00 PN	
Freon-113	BRL	10	µg/L	50541	1	10/9/2004 1:08:00 PN	
Isopropylbenzene	BRL	5.0	µg/L	50541	1	10/9/2004 1:08:00 PN	
m,p-Xylene	BRL	10	µg/L	50541	1	10/9/2004 1:08:00 PN	
Methyl acetate	BRL	5.0	µg/L	50541	1	10/9/2004 1:08:00 PN	
Methyl tert-butyl ether	BRL	5.0	µg/L	50541	1	10/9/2004 1:08:00 PN	
Methylcyclohexane	BRL	5.0	µg/L	50541	1	10/9/2004 1:08:00 PN	
Methylene chloride	BRL	5.0	µg/L	50541	1	10/9/2004 1:08:00 PN	
o-Xylene	BRL	5.0	µg/L	50541	1	10/9/2004 1:08:00 PN	
Styrene	BRL	5.0	µg/L	50541	1	10/9/2004 1:08:00 PN	
Tetrachloroethene	20	5.0	µg/L	50541	1	10/9/2004 1:08:00 PN	
Toluene	BRL	5.0	µg/L	50541	1	10/9/2004 1:08:00 PN	
trans-1,2-Dichloroethene	BRL	5.0	µg/L	50541	1	10/9/2004 1:08:00 PN	
trans-1,3-Dichloropropene	BRL	5.0	µg/L	50541	1	10/9/2004 1:08:00 PN	
Trichloroethene	BRL	5.0	µg/L	50541	1	10/9/2004 1:08:00 PN	
Trichlorofluoromethane	BRL	5.0	µg/L	50541	1	10/9/2004 1:08:00 PN	
Vinyl chloride	BRL	2.0	µg/L	50541	1	10/9/2004 1:08:00 PN	
Surr: 4-Bromofluorobenzene	99.0	63.1-121	%REC	50541	1	10/9/2004 1:08:00 PN	
Surr: Dibromofluoromethane	101	69.5-126	%REC	50541	1	10/9/2004 1:08:00 PN	
Surr: Toluene-d8	106	74.2-120	%REC	50541	1	10/9/2004 1:08:00 PN	

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit	Reporting Limit		S	Page 2 of 7 Spike Recovery outside accepted recovery limits

# Analytical Environmental Services, Inc.

Date: 12-Oct-04

**CLIENT:** Epic Consulting, Inc.  
**Lab Order:** 0410380  
**Project:** E4124  
**Lab ID:** 0410380-002

**Client Sample ID:** SB-2  
**Collection Date:** 10/8/2004

**Matrix:** GROUNDWATER

Analyses	Result	Rpt. Limit	Qual	Units	BatchID	DF	Date Analyzed
<b>METALS, TOTAL</b>							
Arsenic	BRL	0.0500	mg/L	50513	1		10/11/2004 1:37:00 P
Barium	0.556	0.0200	mg/L	50513	1		10/11/2004 1:37:00 P
Cadmium	BRL	0.0050	mg/L	50513	1		10/11/2004 1:37:00 P
Chromium	BRL	0.0100	mg/L	50513	1		10/11/2004 1:37:00 P
Lead	0.0712	0.0100	mg/L	50513	1		10/11/2004 7:00:00 P
Selenium	BRL	0.0200	mg/L	50513	1		10/11/2004 1:37:00 P
Silver	BRL	0.0100	mg/L	50513	1		10/11/2004 1:37:00 P
<b>MERCURY, TOTAL</b>							
Mercury	BRL	0.000020	mg/L	50456	1		10/11/2004 3:45:55 P
<b>TCL VOLATILE ORGANICS</b>							
1,1,1-Trichloroethane	BRL	5.0	µg/L	50541	1		10/9/2004 1:35:00 PN
1,1,2,2-Tetrachloroethane	BRL	5.0	µg/L	50541	1		10/9/2004 1:35:00 PN
1,1,2-Trichloroethane	BRL	5.0	µg/L	50541	1		10/9/2004 1:35:00 PN
1,1-Dichloroethane	BRL	5.0	µg/L	50541	1		10/9/2004 1:35:00 PN
1,1-Dichloroethene	BRL	5.0	µg/L	50541	1		10/9/2004 1:35:00 PN
1,2,4-Trichlorobenzene	BRL	5.0	µg/L	50541	1		10/9/2004 1:35:00 PN
1,2-Dibromo-3-chloropropane	BRL	5.0	µg/L	50541	1		10/9/2004 1:35:00 PN
1,2-Dibromoethane	BRL	5.0	µg/L	50541	1		10/9/2004 1:35:00 PN
1,2-Dichlorobenzene	BRL	5.0	µg/L	50541	1		10/9/2004 1:35:00 PN
1,2-Dichloroethane	BRL	5.0	µg/L	50541	1		10/9/2004 1:35:00 PN
1,2-Dichloropropane	BRL	5.0	µg/L	50541	1		10/9/2004 1:35:00 PN
1,3-Dichlorobenzene	BRL	5.0	µg/L	50541	1		10/9/2004 1:35:00 PN
1,4-Dichlorobenzene	BRL	5.0	µg/L	50541	1		10/9/2004 1:35:00 PN
2-Butanone	BRL	10	µg/L	50541	1		10/9/2004 1:35:00 PN
2-Hexanone	BRL	10	µg/L	50541	1		10/9/2004 1:35:00 PN
4-Methyl-2-pentanone	BRL	10	µg/L	50541	1		10/9/2004 1:35:00 PN
Acetone	BRL	20	µg/L	50541	1		10/9/2004 1:35:00 PN
Benzene	BRL	5.0	µg/L	50541	1		10/9/2004 1:35:00 PN
Bromodichloromethane	BRL	5.0	µg/L	50541	1		10/9/2004 1:35:00 PN
Bromoform	BRL	5.0	µg/L	50541	1		10/9/2004 1:35:00 PN
Bromomethane	BRL	5.0	µg/L	50541	1		10/9/2004 1:35:00 PN
Carbon disulfide	BRL	5.0	µg/L	50541	1		10/9/2004 1:35:00 PN
Carbon tetrachloride	BRL	5.0	µg/L	50541	1		10/9/2004 1:35:00 PN
Chlorobenzene	BRL	5.0	µg/L	50541	1		10/9/2004 1:35:00 PN
Chloroethane	BRL	10	µg/L	50541	1		10/9/2004 1:35:00 PN
Chloroform	BRL	5.0	µg/L	50541	1		10/9/2004 1:35:00 PN
Chloromethane	BRL	10	µg/L	50541	1		10/9/2004 1:35:00 PN
cis-1,2-Dichloroethene	BRL	5.0	µg/L	50541	1		10/9/2004 1:35:00 PN
cis-1,3-Dichloropropene	BRL	5.0	µg/L	50541	1		10/9/2004 1:35:00 PN

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit		Reporting Limit	S	Page 3 of 7 Spike Recovery outside accepted recovery limits

# Analytical Environmental Services, Inc.

Date: 12-Oct-04

**CLIENT:** Epic Consulting, Inc.  
**Lab Order:** 0410380  
**Project:** E4124  
**Lab ID:** 0410380-002

**Client Sample ID:** SB-2  
**Collection Date:** 10/8/2004

**Matrix:** GROUNDWATER

Analyses	Result	Rpt. Limit	Qual	Units	BatchID	DF	Date Analyzed
<b>TCL VOLATILE ORGANICS</b>							
Cyclohexane	BRL	5.0	µg/L	50541	1		10/9/2004 1:35:00 PM
Dibromochloromethane	BRL	5.0	µg/L	50541	1		10/9/2004 1:35:00 PM
Dichlorodifluoromethane	BRL	10	µg/L	50541	1		10/9/2004 1:35:00 PM
Ethylbenzene	BRL	5.0	µg/L	50541	1		10/9/2004 1:35:00 PM
Freon-113	BRL	10	µg/L	50541	1		10/9/2004 1:35:00 PM
Isopropylbenzene	BRL	5.0	µg/L	50541	1		10/9/2004 1:35:00 PM
m,p-Xylene	BRL	10	µg/L	50541	1		10/9/2004 1:35:00 PM
Methyl acetate	BRL	5.0	µg/L	50541	1		10/9/2004 1:35:00 PM
Methyl tert-butyl ether	BRL	5.0	µg/L	50541	1		10/9/2004 1:35:00 PM
Methylcyclohexane	BRL	5.0	µg/L	50541	1		10/9/2004 1:35:00 PM
Methylene chloride	BRL	5.0	µg/L	50541	1		10/9/2004 1:35:00 PM
o-Xylene	BRL	5.0	µg/L	50541	1		10/9/2004 1:35:00 PM
Styrene	BRL	5.0	µg/L	50541	1		10/9/2004 1:35:00 PM
Tetrachloroethene	BRL	5.0	µg/L	50541	1		10/9/2004 1:35:00 PM
Toluene	BRL	5.0	µg/L	50541	1		10/9/2004 1:35:00 PM
trans-1,2-Dichloroethene	BRL	5.0	µg/L	50541	1		10/9/2004 1:35:00 PM
trans-1,3-Dichloropropene	BRL	5.0	µg/L	50541	1		10/9/2004 1:35:00 PM
Trichloroethene	BRL	5.0	µg/L	50541	1		10/9/2004 1:35:00 PM
Trichlorofluoromethane	BRL	5.0	µg/L	50541	1		10/9/2004 1:35:00 PM
Vinyl chloride	BRL	2.0	µg/L	50541	1		10/9/2004 1:35:00 PM
Surr: 4-Bromofluorobenzene	99.6	63.1-121	%REC	50541	1		10/9/2004 1:35:00 PM
Surr: Dibromofluoromethane	98.8	69.5-126	%REC	50541	1		10/9/2004 1:35:00 PM
Surr: Toluene-d8	105	74.2-120	%REC	50541	1		10/9/2004 1:35:00 PM

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit	Reporting Limit		S	Page 4 of 7 Spike Recovery outside accepted recovery limits

**Analytical Environmental Services, Inc.**

Date: 12-Oct-04

**CLIENT:** Epic Consulting, Inc.  
**Lab Order:** 0410380  
**Project:** E4124  
**Lab ID:** 0410380-003

**Client Sample ID:** SB-3  
**Collection Date:** 10/8/2004

**Matrix: GROUNDWATER**

Analyses	Result	Rpt. Limit	Qual	Units	BatchID	DF	Date Analyzed
<b>CHLORINATED PESTICIDES, TARGET COMPOUN</b>				<b>(SW3510B)</b>			<b>Analyst: WDP</b>
4,4'-DDD	BRL	0.10	µg/L	50509	1	10/11/2004 4:20:00 P	
4,4'-DDE	BRL	0.10	µg/L	50509	1	10/11/2004 4:20:00 P	
4,4'-DDT	BRL	0.10	µg/L	50509	1	10/11/2004 4:20:00 P	
Aldrin	BRL	0.050	µg/L	50509	1	10/11/2004 4:20:00 P	
alpha-BHC	BRL	0.050	µg/L	50509	1	10/11/2004 4:20:00 P	
alpha-Chlordane	BRL	0.050	µg/L	50509	1	10/11/2004 4:20:00 P	
beta-BHC	BRL	0.050	µg/L	50509	1	10/11/2004 4:20:00 P	
delta-BHC	BRL	0.050	µg/L	50509	1	10/11/2004 4:20:00 P	
Dieldrin	BRL	0.10	µg/L	50509	1	10/11/2004 4:20:00 P	
Endosulfan I	BRL	0.050	µg/L	50509	1	10/11/2004 4:20:00 P	
Endosulfan II	BRL	0.10	µg/L	50509	1	10/11/2004 4:20:00 P	
Endosulfan sulfate	BRL	0.10	µg/L	50509	1	10/11/2004 4:20:00 P	
Endrin	BRL	0.10	µg/L	50509	1	10/11/2004 4:20:00 P	
Endrin aldehyde	BRL	0.10	µg/L	50509	1	10/11/2004 4:20:00 P	
Endrin ketone	BRL	0.10	µg/L	50509	1	10/11/2004 4:20:00 P	
gamma-BHC	BRL	0.050	µg/L	50509	1	10/11/2004 4:20:00 P	
gamma-Chlordane	BRL	0.050	µg/L	50509	1	10/11/2004 4:20:00 P	
Heptachlor	BRL	0.050	µg/L	50509	1	10/11/2004 4:20:00 P	
Heptachlor epoxide	BRL	0.050	µg/L	50509	1	10/11/2004 4:20:00 P	
Methoxychlor	BRL	0.50	µg/L	50509	1	10/11/2004 4:20:00 P	
Toxaphene	BRL	5.0	µg/L	50509	1	10/11/2004 4:20:00 P	
Surr: Decachlorobiphenyl	4.01	10-121	S	%REC	50509	1	10/11/2004 4:20:00 P
Surr: Tetrachloro-m-xylene	39.5	10.9-125		%REC	50509	1	10/11/2004 4:20:00 P
<b>POLYCHLORINATED BIPHENYLS</b>			<b>SW8082</b>	<b>(SW3510B)</b>			<b>Analyst: WDP</b>
Aroclor 1016	BRL	1.0	µg/L	50510	1	10/12/2004 3:02:00 A	
Aroclor 1221	BRL	1.0	µg/L	50510	1	10/12/2004 3:02:00 A	
Aroclor 1232	BRL	1.0	µg/L	50510	1	10/12/2004 3:02:00 A	
Aroclor 1242	BRL	1.0	µg/L	50510	1	10/12/2004 3:02:00 A	
Aroclor 1248	BRL	1.0	µg/L	50510	1	10/12/2004 3:02:00 A	
Aroclor 1254	BRL	1.0	µg/L	50510	1	10/12/2004 3:02:00 A	
Aroclor 1260	BRL	1.0	µg/L	50510	1	10/12/2004 3:02:00 A	
Surr: Decachlorobiphenyl	25.5	21.2-141		%REC	50510	1	10/12/2004 3:02:00 A
Surr: Tetrachloro-m-xylene	44.0	10.8-112		%REC	50510	1	10/12/2004 3:02:00 A
<b>METALS, TOTAL</b>			<b>SW6010B</b>	<b>(SW3010A)</b>			<b>Analyst: BB</b>
Arsenic	BRL	0.0500	mg/L	50513	1	10/11/2004 1:42:00 P	
Barium	0.904	0.0200	mg/L	50513	1	10/11/2004 1:42:00 P	
Cadmium	BRL	0.0050	mg/L	50513	1	10/11/2004 1:42:00 P	
Chromium	0.291	0.0100	mg/L	50513	1	10/11/2004 1:42:00 P	
Lead	0.115	0.0100	mg/L	50513	1	10/11/2004 7:15:00 P	

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit	Reporting Limit		S	Page 5 of 7 Spike Recovery outside accepted recovery limits

# Analytical Environmental Services, Inc.

Date: 12-Oct-04

**CLIENT:** Epic Consulting, Inc.  
**Lab Order:** 0410380  
**Project:** E4124  
**Lab ID:** 0410380-003

**Client Sample ID:** SB-3  
**Collection Date:** 10/8/2004

**Matrix:** GROUNDWATER

Analyses	Result	Rpt. Limit	Qual	Units	BatchID	DF	Date Analyzed
METALS, TOTAL			SW6010B	(SW3010A)			Analyst: BB
Selenium	BRL	0.0200	mg/L	50513	1		10/11/2004 1:42:00 P
Silver	BRL	0.0100	mg/L	50513	1		10/11/2004 1:42:00 P
MERCURY, TOTAL			SW7470A	(SW7470A)			Analyst: EM
Mercury	BRL	0.00020	mg/L	50456	1		10/11/2004 3:47:45 P
POLYAROMATIC HYDROCARBONS			SW8270C	(SW3535)			Analyst: EP
Naphthalene	BRL	10	µg/L	50525	1		10/11/2004 4:21:00 P
Acenaphthylene	BRL	10	µg/L	50525	1		10/11/2004 4:21:00 P
1-Methylnaphthalene	BRL	10	µg/L	50525	1		10/11/2004 4:21:00 P
2-Methylnaphthalene	BRL	10	µg/L	50525	1		10/11/2004 4:21:00 P
Acenaphthene	BRL	10	µg/L	50525	1		10/11/2004 4:21:00 P
Fluorene	BRL	10	µg/L	50525	1		10/11/2004 4:21:00 P
Phenanthrene	BRL	10	µg/L	50525	1		10/11/2004 4:21:00 P
Anthracene	BRL	10	µg/L	50525	1		10/11/2004 4:21:00 P
Fluoranthene	BRL	10	µg/L	50525	1		10/11/2004 4:21:00 P
Pyrene	BRL	10	µg/L	50525	1		10/11/2004 4:21:00 P
Benz(a)anthracene	BRL	10	µg/L	50525	1		10/11/2004 4:21:00 P
Chrysene	BRL	10	µg/L	50525	1		10/11/2004 4:21:00 P
Benzo(b)fluoranthene	BRL	10	µg/L	50525	1		10/11/2004 4:21:00 P
Benzo(k)fluoranthene	BRL	10	µg/L	50525	1		10/11/2004 4:21:00 P
Benzo(a)pyrene	BRL	10	µg/L	50525	1		10/11/2004 4:21:00 P
Dibenz(a,h)anthracene	BRL	10	µg/L	50525	1		10/11/2004 4:21:00 P
Benzo(g,h,i)perylene	BRL	10	µg/L	50525	1		10/11/2004 4:21:00 P
Indeno(1,2,3-cd)pyrene	BRL	10	µg/L	50525	1		10/11/2004 4:21:00 P
Surr: Nitrobenzene-d5	73.6	32.3-136	%REC	50525	1		10/11/2004 4:21:00 P
Surr: 2-Fluorobiphenyl	75.3	37-135	%REC	50525	1		10/11/2004 4:21:00 P
Surr: 4-Terphenyl-d14	93.8	21.9-145	%REC	50525	1		10/11/2004 4:21:00 P
TCL VOLATILE ORGANICS			SW8260B	(SW5030B)			Analyst: AD
1,1,1-Trichloroethane	BRL	5.0	µg/L	50541	1		10/9/2004 2:03:00 PM
1,1,2,2-Tetrachloroethane	BRL	5.0	µg/L	50541	1		10/9/2004 2:03:00 PM
1,1,2-Trichloroethane	BRL	5.0	µg/L	50541	1		10/9/2004 2:03:00 PM
1,1-Dichloroethane	BRL	5.0	µg/L	50541	1		10/9/2004 2:03:00 PM
1,1-Dichloroethene	BRL	5.0	µg/L	50541	1		10/9/2004 2:03:00 PM
1,2,4-Trichlorobenzene	BRL	5.0	µg/L	50541	1		10/9/2004 2:03:00 PM
1,2-Dibromo-3-chloropropane	BRL	5.0	µg/L	50541	1		10/9/2004 2:03:00 PM
1,2-Dibromoethane	BRL	5.0	µg/L	50541	1		10/9/2004 2:03:00 PM
1,2-Dichlorobenzene	BRL	5.0	µg/L	50541	1		10/9/2004 2:03:00 PM
1,2-Dichloroethane	BRL	5.0	µg/L	50541	1		10/9/2004 2:03:00 PM
1,2-Dichloropropane	BRL	5.0	µg/L	50541	1		10/9/2004 2:03:00 PM
1,3-Dichlorobenzene	BRL	5.0	µg/L	50541	1		10/9/2004 2:03:00 PM

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit		Reporting Limit	S	Page 6 of 7 Spike Recovery outside accepted recovery limits

# Analytical Environmental Services, Inc.

Date: 12-Oct-04

**CLIENT:** Epic Consulting, Inc.  
**Lab Order:** 0410380  
**Project:** E4124  
**Lab ID:** 0410380-003

**Client Sample ID:** SB-3  
**Collection Date:** 10/8/2004

**Matrix:** GROUNDWATER

Analyses	Result	Rpt. Limit	Qual	Units	BatchID	DF	Date Analyzed
<b>TCL VOLATILE ORGANICS</b>							
1,4-Dichlorobenzene	BRL	5.0	µg/L	50541	1	10/9/2004 2:03:00 PM	
2-Butanone	BRL	10	µg/L	50541	1	10/9/2004 2:03:00 PM	
2-Hexanone	BRL	10	µg/L	50541	1	10/9/2004 2:03:00 PM	
4-Methyl-2-pentanone	BRL	10	µg/L	50541	1	10/9/2004 2:03:00 PM	
Acetone	BRL	20	µg/L	50541	1	10/9/2004 2:03:00 PM	
Benzene	BRL	5.0	µg/L	50541	1	10/9/2004 2:03:00 PM	
Bromodichloromethane	BRL	5.0	µg/L	50541	1	10/9/2004 2:03:00 PM	
Bromoform	BRL	5.0	µg/L	50541	1	10/9/2004 2:03:00 PM	
Bromomethane	BRL	5.0	µg/L	50541	1	10/9/2004 2:03:00 PM	
Carbon disulfide	BRL	5.0	µg/L	50541	1	10/9/2004 2:03:00 PM	
Carbon tetrachloride	BRL	5.0	µg/L	50541	1	10/9/2004 2:03:00 PM	
Chlorobenzene	BRL	5.0	µg/L	50541	1	10/9/2004 2:03:00 PM	
Chloroethane	BRL	10	µg/L	50541	1	10/9/2004 2:03:00 PM	
Chloroform	BRL	5.0	µg/L	50541	1	10/9/2004 2:03:00 PM	
Chloromethane	BRL	10	µg/L	50541	1	10/9/2004 2:03:00 PM	
cis-1,2-Dichloroethene	BRL	5.0	µg/L	50541	1	10/9/2004 2:03:00 PM	
cis-1,3-Dichloropropene	BRL	5.0	µg/L	50541	1	10/9/2004 2:03:00 PM	
Cyclohexane	BRL	5.0	µg/L	50541	1	10/9/2004 2:03:00 PM	
Dibromochloromethane	BRL	5.0	µg/L	50541	1	10/9/2004 2:03:00 PM	
Dichlorodifluoromethane	BRL	10	µg/L	50541	1	10/9/2004 2:03:00 PM	
Ethylbenzene	BRL	5.0	µg/L	50541	1	10/9/2004 2:03:00 PM	
Freon-113	BRL	10	µg/L	50541	1	10/9/2004 2:03:00 PM	
Isopropylbenzene	BRL	5.0	µg/L	50541	1	10/9/2004 2:03:00 PM	
m,p-Xylene	BRL	10	µg/L	50541	1	10/9/2004 2:03:00 PM	
Methyl acetate	BRL	5.0	µg/L	50541	1	10/9/2004 2:03:00 PM	
Methyl tert-butyl ether	BRL	5.0	µg/L	50541	1	10/9/2004 2:03:00 PM	
Methylcyclohexane	BRL	5.0	µg/L	50541	1	10/9/2004 2:03:00 PM	
Methylene chloride	BRL	5.0	µg/L	50541	1	10/9/2004 2:03:00 PM	
o-Xylene	BRL	5.0	µg/L	50541	1	10/9/2004 2:03:00 PM	
Styrene	BRL	5.0	µg/L	50541	1	10/9/2004 2:03:00 PM	
Tetrachloroethene	BRL	5.0	µg/L	50541	1	10/9/2004 2:03:00 PM	
Toluene	BRL	5.0	µg/L	50541	1	10/9/2004 2:03:00 PM	
trans-1,2-Dichloroethene	BRL	5.0	µg/L	50541	1	10/9/2004 2:03:00 PM	
trans-1,3-Dichloropropene	BRL	5.0	µg/L	50541	1	10/9/2004 2:03:00 PM	
Trichloroethene	BRL	5.0	µg/L	50541	1	10/9/2004 2:03:00 PM	
Trichlorofluoromethane	BRL	5.0	µg/L	50541	1	10/9/2004 2:03:00 PM	
Vinyl chloride	BRL	2.0	µg/L	50541	1	10/9/2004 2:03:00 PM	
Surr: 4-Bromofluorobenzene	101	63.1-121	%REC	50541	1	10/9/2004 2:03:00 PM	
Surr: Dibromofluoromethane	102	69.5-126	%REC	50541	1	10/9/2004 2:03:00 PM	
Surr: Toluene-d8	107	74.2-120	%REC	50541	1	10/9/2004 2:03:00 PM	

**Qualifiers:** \* Value exceeds Maximum Contaminant Level

BRL Below Reporting Limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

Rpt Limit Reporting Limit

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P NELAC analyte certification pending Page 7 of 7

S Spike Recovery outside accepted recovery limits

**CLIENT:** Epic Consulting, Inc.  
**Work Order:** 0410380  
**Project:** E4124

**ANALYTICAL QC SUMMARY REPORT****BatchID: 50456**

Sample ID	MB-50456	SampType	MBLK	TestCode	7470A_W_T	Units	mg/L	Prep Date	10/8/2004	RunNo	56591	
Client ID:		Batch ID:	50456	TestNo:	SW7470A			Analysis Date:	10/11/2004	SeqNo:	1096626	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury		BRL	0.000200									
Sample ID LCS-50456		SampType: LCS		TestCode: 7470A_W_T	Units: mg/L			Prep Date:	10/8/2004	RunNo:	56591	
Client ID:		Batch ID:	50456	TestNo:	SW7470A			Analysis Date:	10/11/2004	SeqNo:	1096627	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury		0.004901	0.000200	0.005	0	98	85	115	0	0		
Sample ID 0410238-005BMS		SampType: MS		TestCode: 7470A_W_T	Units: mg/L			Prep Date:	10/11/2004	RunNo:	56591	
Client ID:		Batch ID:	50456	TestNo:	SW7470A			Analysis Date:	10/11/2004	SeqNo:	1096629	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury		0.003703	0.000200	0.005	0.00003807	73.3	70	130	0	0		
Sample ID 0410238-005BMSD		SampType: MSD		TestCode: 7470A_W_T	Units: mg/L			Prep Date:	10/11/2004	RunNo:	56591	
Client ID:		Batch ID:	50456	TestNo:	SW7470A			Analysis Date:	10/11/2004	SeqNo:	1096630	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury		0.003795	0.000200	0.005	0.00003807	75.1	70	130	0.003703	2.45	20	

**Qualifiers:** B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
R RPD outside accepted recovery limits

BRL Below Reporting Limit  
J Analyte detected below quantitation limits  
S Spike Recovery outside accepted recovery limits

E Value above quantitation range  
N Analyte not NELAC certified

**CLIENT:** Epic Consulting, Inc.  
**Work Order:** 0410380  
**Project:** E4124

## ANALYTICAL QC SUMMARY REPORT

BatchID: 50509

Sample ID	MB-50509	SampType	MBLK	TestCode	8081_TCL_W	Units	µg/L	Prep Date	10/11/2004	RunNo	56577		
Client ID:		Batch ID:	50509	TestNo:	SW8081A			Analysis Date:	10/11/2004	SeqNo:	1096448		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD		BRL	0.10										
4,4'-DDE		BRL	0.10										
4,4'-DDT		BRL	0.10										
Aldrin		BRL	0.050										
alpha-BHC		BRL	0.050										
alpha-Chlordane		BRL	0.050										
beta-BHC		BRL	0.050										
delta-BHC		BRL	0.050										
Dieldrin		BRL	0.10										
Endosulfan I		BRL	0.050										
Endosulfan II		BRL	0.10										
Endosulfan sulfate		BRL	0.10										
Endrin		BRL	0.10										
Endrin aldehyde		BRL	0.10										
Endrin ketone		BRL	0.10										
gamma-BHC		BRL	0.050										
gamma-Chlordane		BRL	0.050										
Heptachlor		BRL	0.050										
Heptachlor epoxide		BRL	0.050										
Methoxychlor		BRL	0.50										
Toxaphene		BRL	5.0										
Surr: Decachlorobiphenyl	0.3795	0	0.5	0	75.9	10	121	0	0	0			
Surr: Tetrachloro-m-xylene	0.1996	0	0.5	0	39.9	10.9	125	0	0	0			

Sample ID	0410430-002B	SampType	MBLK	TestCode	8081_TCL_W	Units	µg/L	Prep Date	10/11/2004	RunNo	56577		
Client ID:		Batch ID:	50509	TestNo:	SW8081A			Analysis Date:	10/11/2004	SeqNo:	1096595		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD		BRL	0.10	0	0	0	0	0	0	0	0	0	
4,4'-DDE		BRL	0.10	0	0	0	0	0	0	0	0	0	
4,4'-DDT		BRL	0.10	0	0	0	0	0	0	0	0	0	

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

**CLIENT:** Epic Consulting, Inc.  
**Work Order:** 0410380  
**Project:** E4124

## ANALYTICAL QC SUMMARY REPORT

BatchID: S0509

Sample ID	0410430-002B	SampType:	MBLK	TestCode:	8081_TCL_W	Units:	µg/L	Prep Date:	10/11/2004	RunNo:	56577
Client ID:		Batch ID:	50509	TestNo:	SW8081A			Analysis Date:	10/11/2004	SeqNo:	1096595
<b>Analyte</b>											
Aldrin		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
alpha-BHC		BRL	0.050	0	0	0	0	0	0	0	0
alpha-Chlordane		BRL	0.050	0	0	0	0	0	0	0	0
beta-BHC		BRL	0.050	0	0	0	0	0	0	0	0
delta-BHC		BRL	0.050	0	0	0	0	0	0	0	0
Dieldrin		BRL	0.10	0	0	0	0	0	0	0	0
Endosulfan I		BRL	0.050	0	0	0	0	0	0	0	0
Endosulfan II		BRL	0.10	0	0	0	0	0	0	0	0
Endosulfan sulfate		BRL	0.10	0	0	0	0	0	0	0	0
Endrin		BRL	0.10	0	0	0	0	0	0	0	0
Endrin aldehyde		BRL	0.10	0	0	0	0	0	0	0	0
Endrin ketone		BRL	0.10	0	0	0	0	0	0	0	0
gamma-BHC		BRL	0.050	0	0	0	0	0	0	0	0
gamma-Chlordane		BRL	0.050	0	0	0	0	0	0	0	0
Heptachlor		BRL	0.050	0	0	0	0	0	0	0	0
Heptachlor epoxide		BRL	0.050	0	0	0	0	0	0	0	0
Methoxychlor		BRL	0.50	0	0	0	0	0	0	0	0
Toxaphene		BRL	5.0	0	0	0	0	0	0	0	0
Surr: Decachlorobiphenyl	0.2624		0	0.5	0	52.5	10	121	0	0	0
Surr: Tetrachloro-m-xylene	0.4514		0	0.5	0	90.3	10.9	125	0	0	0

Sample ID	LCS-50509	SampType:	LCS	TestCode:	8081_TCL_W	Units:	µg/L	Prep Date:	10/11/2004	RunNo:	56577
Client ID:		Batch ID:	50509	TestNo:	SW8081A			Analysis Date:	10/11/2004	SeqNo:	1096449
<b>Analyte</b>											
4,4'-DDT		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Aldrin	1.093	BRL	0.10	1	0	109	49.9	150	0	0	0
Dieldrin	0.7901	BRL	0.050	1	0	79	41.5	135	0	0	0
Endrin	1.012	BRL	0.10	1	0	101	63.3	143	0	0	0
gamma-BHC	1.07	BRL	0.10	1	0	107	51.8	144	0	0	0
Heptachlor	0.9138	BRL	0.050	1	0	91.4	44.7	127	0	0	0
	0.7915	BRL	0.050	1	0	79.1	40.5	122	0	0	0

Qualifiers:	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

**CLIENT:** Epic Consulting, Inc.  
**Work Order:** 0410380  
**Project:** E4124

## ANALYTICAL QC SUMMARY REPORT

BatchID: 50509

Sample ID	LCS-50509	SampType:	LCS	TestCode:	8081_TCL_W	Units:	µg/L	Prep Date:	10/11/2004	RunNo:	56577	
Client ID:		Batch ID:	50509	TestNo:	SW8081A			Analysis Date:	10/11/2004	SeqNo:	1096449	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Decachlorobiphenyl		0.4044	0	0.5	0	80.9	10	121	0	0		
Surr: Tetrachloro-m-xylene		0.3614	0	0.5	0	72.3	10.9	125	0	0		

Sample ID	0410397-001BMS	SampType:	MS	TestCode:	8081_TCL_W	Units:	µg/L	Prep Date:	10/11/2004	RunNo:	56577	
Client ID:		Batch ID:	50509	TestNo:	SW8081A			Analysis Date:	10/11/2004	SeqNo:	1096451	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDT		0.9269	0.10	1	0	92.7	56.3	134	0	0		
Aldrin		0.7744	0.050	1	0	77.4	55	127	0	0		
Dieldrin		0.9588	0.10	1	0	95.9	66.1	142	0	0		
Endrin		1.023	0.10	1	0	102	50	148	0	0		
gamma-BHC		0.8497	0.050	1	0	85	52.1	124	0	0		
Heptachlor		0.8221	0.050	1	0	82.2	43.2	131	0	0		
Surr: Decachlorobiphenyl		0.2224	0	0.5	0	44.5	10	121	0	0		
Surr: Tetrachloro-m-xylene		0.3223	0	0.5	0	64.5	10.9	125	0	0		

Sample ID	0410397-001BMSD	SampType:	MSD	TestCode:	8081_TCL_W	Units:	µg/L	Prep Date:	10/11/2004	RunNo:	56577	
Client ID:		Batch ID:	50509	TestNo:	SW8081A			Analysis Date:	10/11/2004	SeqNo:	1096486	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDT		0.9184	0.10	1	0	91.8	56.3	134	0.9269	0.924	16.9	
Aldrin		0.7788	0.050	1	0	77.9	55	127	0.7744	0.572	24.9	
Dieldrin		0.9769	0.10	1	0	97.7	66.1	142	0.9588	1.87	16.1	
Endrin		1.03	0.10	1	0	103	50	148	1.023	0.669	16.6	
gamma-BHC		0.8554	0.050	1	0	85.5	52.1	124	0.8497	0.670	25.6	
Heptachlor		0.8272	0.050	1	0	82.7	43.2	131	0.8221	0.618	24.2	
Surr: Decachlorobiphenyl		0.2201	0	0.5	0	44	10	121	0.2224	0	0	
Surr: Tetrachloro-m-xylene		0.327	0	0.5	0	65.4	10.9	125	0.3223	0	0	

**Qualifiers:** B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
R RPD outside accepted recovery limits

BRL Below Reporting Limit  
J Analyte detected below quantitation limits  
S Spike Recovery outside accepted recovery limits

E Value above quantitation range  
N Analyte not NELAC certified

**CLIENT:** Epic Consulting, Inc.  
**Work Order:** 0410380  
**Project:** E4124

## ANALYTICAL QC SUMMARY REPORT

BatchID: 50510

Sample ID	MB-50510	SampType:	MBLK	TestCode:	8082_W	Units:	µg/L	Prep Date:	10/11/2004	RunNo:	56587		
Client ID:		Batch ID:	50510	TestNo:	SW8082			Analysis Date:	10/11/2004	SeqNo:	1096823		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016		BRL	1.0										
Aroclor 1221		BRL	1.0										
Aroclor 1232		BRL	1.0										
Aroclor 1242		BRL	1.0										
Aroclor 1248		BRL	1.0										
Aroclor 1254		BRL	1.0										
Aroclor 1260		BRL	1.0										
Surr: Decachlorobiphenyl		0.3898	0	0.5	0	78	21.2	141	0	0			
Surr: Tetrachloro-m-xylene		0.2019	0	0.5	0	40.4	10.8	112	0	0			
Sample ID	LCS-50510	SampType:	LCS	TestCode:	8082_W	Units:	µg/L	Prep Date:	10/11/2004	RunNo:	56587		
Client ID:	<th>Batch ID:</th> <td>50510</td> <th>TestNo:</th> <td>SW8082</td> <th></th> <th></th> <th>Analysis Date:</th> <td>10/11/2004</td> <th>SeqNo:</th> <td>1096824</td>	Batch ID:	50510	TestNo:	SW8082			Analysis Date:	10/11/2004	SeqNo:	1096824		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016		4.731	1.0	5	0	94.6	53.8	115	0	0			
Aroclor 1260		4.733	1.0	5	0	94.7	64.9	115	0	0			
Surr: Decachlorobiphenyl		0.3756	0	0.5	0	75.1	21.2	141	0	0			
Surr: Tetrachloro-m-xylene		0.35	0	0.5	0	70	10.8	112	0	0			
Sample ID	0410397-002BMS	SampType:	MS	TestCode:	8082_W	Units:	µg/L	Prep Date:	10/11/2004	RunNo:	56587		
Client ID:	<th>Batch ID:</th> <td>50510</td> <th>TestNo:</th> <td>SW8082</td> <th></th> <th></th> <th>Analysis Date:</th> <td>10/12/2004</td> <th>SeqNo:</th> <td>1096826</td>	Batch ID:	50510	TestNo:	SW8082			Analysis Date:	10/12/2004	SeqNo:	1096826		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016		6.094	1.0	5	0	122	51.8	118	0	0			S
Aroclor 1260		4.948	1.0	5	0	99	45.5	116	0	0			
Surr: Decachlorobiphenyl		0.4807	0	0.5	0	96.1	21.2	141	0	0			
Surr: Tetrachloro-m-xylene		0.6582	0	0.5	0	132	10.8	112	0	0			S

**Qualifiers:** B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
R RPD outside accepted recovery limits

BRL Below Reporting Limit  
J Analyte detected below quantitation limits  
S Spike Recovery outside accepted recovery limits

E Value above quantitation range  
N Analyte not NELAC certified

CLIENT: Epic Consulting, Inc.  
Work Order: 0410380  
Project: E4124

## ANALYTICAL QC SUMMARY REPORT

BatchID: 50510

Sample ID	0410397-002BMSD	SampType:	MSD	TestCode:	8082_W	Units:	µg/L	Prep Date:	10/11/2004	RunNo:	56587	
Client ID:		Batch ID:	50510	TestNo:	SW8082 <th></th> <th></th> <th>Analysis Date:</th> <td>10/12/2004<th>SeqNo:</th><td>1096827</td></td>			Analysis Date:	10/12/2004 <th>SeqNo:</th> <td>1096827</td>	SeqNo:	1096827	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016		5.922	1.0	5	0	118	51.8	118	6.094	2.86	40	S
Aroclor 1260		4.718	1.0	5	0	94.4	45.5	116	4.948	4.75	20.1	
Surr: Decachlorobiphenyl		0.5256	0	0.5	0	105	21.2	141	0.4807	0	0	
Surr: Tetrachloro-m-xylene		0.6993	0	0.5	0	140	10.8	112	0.6582	0	0	S

Qualifiers: B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
R RPD outside accepted recovery limits

BRL Below Reporting Limit  
J Analyte detected below quantitation limits  
S Spike Recovery outside accepted recovery limits

E Value above quantitation range  
N Analyte not NELAC certified

CLIENT: Epic Consulting, Inc.  
Work Order: 0410380  
Project: E4124

## ANALYTICAL QC SUMMARY REPORT

BatchID: 50513

Sample ID	SampType	TestCode	Units	Prep Date	RunNo:						
Client ID:	Batch ID:	TestNo:		Analysis Date:	SeqNo:						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	BRL	0.0500									
Barium	BRL	0.0200									
Cadmium	BRL	0.00500									
Chromium	BRL	0.0100									
Selenium	BRL	0.0200									
Silver	BRL	0.0100									
Sample ID	SampType	TestCode	Units	Prep Date	RunNo:						
Client ID:	Batch ID:	TestNo:		Analysis Date:	SeqNo:						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	BRL	0.0100									
Sample ID	SampType	TestCode	Units	Prep Date	RunNo:						
Client ID:	Batch ID:	TestNo:		Analysis Date:	SeqNo:						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	1.027	0.0500	1	0	103	85	115	0	0		
Barium	1.035	0.0200	1	0	103	85	115	0	0		
Cadmium	1.031	0.00500	1	0	103	85	115	0	0		
Chromium	1.017	0.0100	1	0	102	85	115	0	0		
Selenium	1.051	0.0200	1	0	105	85	115	0	0		
Silver	0.1128	0.0100	0.1	0	113	85	115	0	0		
Sample ID	SampType	TestCode	Units	Prep Date	RunNo:						
Client ID:	Batch ID:	TestNo:		Analysis Date:	SeqNo:						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.019	0.0100	1	0	102	85	115	0	0		

Qualifiers: B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
R RPD outside accepted recovery limits  
BRL Below Reporting Limit  
J Analyte detected below quantitation limits  
S Spike Recovery outside accepted recovery limits  
E Value above quantitation range  
N Analyte not NELAC certified

**CLIENT:** Epic Consulting, Inc.  
**Work Order:** 0410380  
**Project:** E4124

## ANALYTICAL QC SUMMARY REPORT

BatchID: 50513

Sample ID	0410398-015CMS	SampType:	MS	TestCode:	6010B_W_T	Units:	mg/L	Prep Date:	10/11/2004	RunNo:	56567	
Client ID:		Batch ID:	50513	TestNo:	SW6010B			Analysis Date:	10/11/2004	SeqNo:	1096339	
<hr/>												
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic		1.021	0.0500	1	0	102	75	125	0	0	0	
Barium		1.254	0.0200	1	0.252	100	75	125	0	0	0	
Cadmium		1.013	0.00500	1	0	101	75	125	0	0	0	
Chromium		1.005	0.0100	1	0.00214	100	75	125	0	0	0	
Selenium		1.026	0.0200	1	0	103	75	125	0	0	0	
Silver		0.1104	0.0100	0.1	0	110	75	125	0	0	0	
<hr/>												
Sample ID	0410398-015CMS	SampType:	MS	TestCode:	6010B_W_T	Units:	mg/L	Prep Date:	10/11/2004	RunNo:	56567	
Client ID:		Batch ID:	50513	TestNo:	SW6010B			Analysis Date:	10/11/2004	SeqNo:	1096731	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead		1.012	0.0100	1	0	101	75	125	0	0	0	
<hr/>												
Sample ID	0410398-015CDUP	SampType:	DUP	TestCode:	6010B_W_T	Units:	mg/L	Prep Date:	10/11/2004	RunNo:	56567	
Client ID:		Batch ID:	50513	TestNo:	SW6010B			Analysis Date:	10/11/2004	SeqNo:	1096333	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic		BRL	0.0500	0	0	0	0	0	0	0	20	
Barium		0.2494	0.0200	0	0	0	0	0	0.252	1.01	20	
Cadmium		BRL	0.00500	0	0	0	0	0	0	0	20	
Chromium		BRL	0.0100	0	0	0	0	0	0.00214	0	20	
Selenium		BRL	0.0200	0	0	0	0	0	0	0	20	
Silver		BRL	0.0100	0	0	0	0	0	0	0	20	
<hr/>												
Sample ID	0410398-015CDUP	SampType:	DUP	TestCode:	6010B_W_T	Units:	mg/L	Prep Date:	10/11/2004	RunNo:	56567	
Client ID:		Batch ID:	50513	TestNo:	SW6010B			Analysis Date:	10/11/2004	SeqNo:	1096730	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead		BRL	0.0100	0	0	0	0	0	0	0	20	

**Qualifiers:** B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
R RPD outside accepted recovery limits  
BRL Below Reporting Limit  
J Analyte detected below quantitation limits  
S Spike Recovery outside accepted recovery limits  
E Value above quantitation range  
N Analyte not NELAC certified

CLIENT: Epic Consulting, Inc.  
 Work Order: 0410380  
 Project: E4124

## ANALYTICAL QC SUMMARY REPORT

BatchID: 50525

Sample ID	MB-50525	SampType	MBLK	TestCode:	8270_PAH_W	Units:	µg/L	Prep Date:	10/11/2004	RunNo:	56595	
Client ID:		Batch ID:	50525	TestNo:	SW8270C			Analysis Date:	10/11/2004	SeqNo:	1096813	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1-Methylnaphthalene		BRL	10									
2-Methylnaphthalene		BRL	10									
Acenaphthene		BRL	10									
Acenaphthylene		BRL	10									
Anthracene		BRL	10									
Benz(a)anthracene		BRL	10									
Benzo(a)pyrene		BRL	10									
Benzo(b)fluoranthene		BRL	10									
Benzo(g,h,i)perylene		BRL	10									
Benzo(k)fluoranthene		BRL	10									
Chrysene		BRL	10									
Dibenz(a,h)anthracene		BRL	10									
Fluoranthene		BRL	10									
Fluorene		BRL	10									
Indeno(1,2,3-cd)pyrene		BRL	10									
Naphthalene		BRL	10									
Phenanthrene		BRL	10									
Pyrene		BRL	10									
Surr: 2-Fluorobiphenyl	42.78	0	50	0	85.6	37	135	0	0	0		
Surr: 4-Terphenyl-d14	48.57	0	50	0	97.1	21.9	145	0	0	0		
Surr: Nitrobenzene-d5	46.06	0	50	0	92.1	32.3	136	0	0	0		

Sample ID	LCS-50525	SampType	LCS	TestCode:	8270_PAH_W	Units:	µg/L	Prep Date:	10/11/2004	RunNo:	56595	
Client ID:		Batch ID:	50525	TestNo:	SW8270C			Analysis Date:	10/11/2004	SeqNo:	1096814	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene		42.56	10	50	0	85.1	57	120	0	0		
Acenaphthylene		43	10	50	0	86	57.4	130	0	0		
Anthracene		46.11	10	50	0	92.2	53.8	145	0	0		
Benz(a)anthracene		44.75	10	50	0	89.5	60.3	132	0	0		
Benzo(a)pyrene		44.2	10	50	0	88.4	49.3	141	0	0		

Qualifiers: B Analyte detected in the associated Method Blank  
 H Holding times for preparation or analysis exceeded  
 R RPD outside accepted recovery limits  
 BRL Below Reporting Limit  
 J Analyte detected below quantitation limits  
 S Spike Recovery outside accepted recovery limits  
 E Value above quantitation range  
 N Analyte not NELAC certified

**CLIENT:** Epic Consulting, Inc.  
**Work Order:** 0410380  
**Project:** E4124

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 50525

Sample ID	LCS-50525	SampType	LCS	TestCode	8270_PAH_W	Units	µg/L	Prep Date	10/11/2004	RunNo:	56595	
Client ID:		Batch ID:	50525	TestNo:	SW8270C			Analysis Date:	10/11/2004	SeqNo:	1096814	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(b)fluoranthene		44.39	10	50	0	88.8	56.5	131	0	0	0	
Benzo(g,h,i)perylene		50.49	10	50	0	101	41.9	144	0	0	0	
Benzo(k)fluoranthene		45.79	10	50	0	91.6	50.6	137	0	0	0	
Chrysene		44.67	10	50	0	89.3	62.5	129	0	0	0	
Dibenz(a,h)anthracene		49.68	10	50	0	99.4	41.4	141	0	0	0	
Fluoranthene		45.08	10	50	0	90.2	66.7	128	0	0	0	
Fluorene		42.91	10	50	0	85.8	62.4	124	0	0	0	
Indeno(1,2,3-cd)pyrene		48.78	10	50	0	97.6	46.7	138	0	0	0	
Naphthalene		41.07	10	50	0	82.1	50	120	0	0	0	
Phenanthrene		44.77	10	50	0	89.5	66.8	124	0	0	0	
Pyrene		46.67	10	50	0	93.3	62.4	127	0	0	0	
Surr: 2-Fluorobiphenyl		41.47	0	50	0	82.9	37	135	0	0	0	
Surr: 4-Terphenyl-d14		47.59	0	50	0	95.2	21.9	145	0	0	0	
Surr: Nitrobenzene-d5		29.72	0	50	0	59.4	32.3	136	0	0	0	

Sample ID	0410356-002BMS	SampType	MS	TestCode	8270_PAH_W	Units	µg/L	Prep Date	10/11/2004	RunNo:	56595	
Client ID:		Batch ID:	50525	TestNo:	SW8270C			Analysis Date:	10/11/2004	SeqNo:	1096817	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene		82.28	20	100	0	82.3	47.9	127	0	0	0	
Acenaphthylene		82.68	20	100	0	82.7	52.5	133	0	0	0	
Anthracene		89.72	20	100	0	89.7	55	140	0	0	0	
Benz(a)anthracene		88.2	20	100	0	88.2	56	131	0	0	0	
Benzo(a)pyrene		84.2	20	100	0	84.2	49.3	135	0	0	0	
Benzo(b)fluoranthene		84.44	20	100	0	84.4	48.2	133	0	0	0	
Benzo(g,h,i)perylene		92.18	20	100	0	92.2	42.4	141	0	0	0	
Benzo(k)fluoranthene		91.6	20	100	0	91.6	44.3	134	0	0	0	
Chrysene		88.82	20	100	0	88.8	54.5	130	0	0	0	
Dibenz(a,h)anthracene		94.68	20	100	0	94.7	42.7	138	0	0	0	
Fluoranthene		89.84	20	100	0	89.8	59.9	128	0	0	0	
Fluorene		82.58	20	100	0	82.6	56.4	128	0	0	0	

**Qualifiers:** B Analyte detected in the associated Method Blank  
 H Holding times for preparation or analysis exceeded  
 R RPD outside accepted recovery limits

BRL Below Reporting Limit  
 J Analyte detected below quantitation limits  
 S Spike Recovery outside accepted recovery limits

E Value above quantitation range  
 N Analyte not NELAC certified

**CLIENT:** Epic Consulting, Inc.  
**Work Order:** 0410380  
**Project:** E4124

## ANALYTICAL QC SUMMARY REPORT

BatchID: 50525

Sample ID	0410356-002BMS	SampType	MS	TestCode	8270_PAH_W	Units	µg/L	Prep Date	10/11/2004	RunNo	56595	
Client ID:		Batch ID:	50525	TestNo:	SW8270C			Analysis Date:	10/11/2004	SeqNo:	1096817	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Indeno(1,2,3-cd)pyrene		91.66	20	100	0	91.7	43.5	138	0	0		
Naphthalene		79.24	20	100	0	79.2	47.1	127	0	0		
Phenanthrene		86.98	20	100	0	87	60.2	127	0	0		
Pyrene		91.52	20	100	0	91.5	55.7	129	0	0		
Surr: 2-Fluorobiphenyl		83.4	0	100	0	83.4	37	135	0	0		
Surr: 4-Terphenyl-d14		90.68	0	100	0	90.7	21.9	145	0	0		
Surr: Nitrobenzene-d5		85.28	0	100	0	85.3	32.3	136	0	0		
Sample ID	0410356-002BMSD	SampType	MSD	TestCode	8270_PAH_W	Units	µg/L	Prep Date	10/11/2004	RunNo	56595	
Client ID:		Batch ID:	50525	TestNo:	SW8270C			Analysis Date:	10/11/2004	SeqNo:	1096818	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene		85.1	20	100	0	85.1	47.9	127	82.28	3.37	19.6	
Acenaphthylene		85.64	20	100	0	85.6	52.5	133	82.68	3.52	19.5	
Anthracene		94.32	20	100	0	94.3	55	140	89.72	5.00	19.4	
Benz(a)anthracene		89.78	20	100	0	89.8	56	131	88.2	1.78	19.6	
Benzo(a)pyrene		85.86	20	100	0	85.9	49.3	135	84.2	1.95	19.6	
Benzo(b)fluoranthene		85.8	20	100	0	85.8	48.2	133	84.44	1.60	22	
Benzo(g,h,i)perylene		93.78	20	100	0	93.8	42.4	141	92.18	1.72	20.7	
Benzo(k)fluoranthene		92.84	20	100	0	92.8	44.3	134	91.6	1.34	23.9	
Chrysene		90.02	20	100	0	90	54.5	130	88.82	1.34	19.7	
Dibenz(a,h)anthracene		95.98	20	100	0	96	42.7	138	94.68	1.36	20.7	
Fluoranthene		91.76	20	100	0	91.8	59.9	128	89.84	2.11	19.5	
Fluorene		86.42	20	100	0	86.4	56.4	128	82.58	4.54	20.6	
Indeno(1,2,3-cd)pyrene		93.28	20	100	0	93.3	43.5	138	91.66	1.75	20.8	
Naphthalene		82.02	20	100	0	82	47.1	127	79.24	3.45	24.2	
Phenanthrene		90.18	20	100	0	90.2	60.2	127	86.98	3.61	18.8	
Pyrene		93.32	20	100	0	93.3	55.7	129	91.52	1.95	18.5	
Surr: 2-Fluorobiphenyl		85.38	0	100	0	85.4	37	135	83.4	0	0	
Surr: 4-Terphenyl-d14		90.56	0	100	0	90.6	21.9	145	90.68	0	0	
Surr: Nitrobenzene-d5		87.18	0	100	0	87.2	32.3	136	85.28	0	0	

Qualifiers: B Analyte detected in the associated Method Blank  
 H Holding times for preparation or analysis exceeded  
 R RPD outside accepted recovery limits

BRL Below Reporting Limit  
 J Analyte detected below quantitation limits  
 S Spike Recovery outside accepted recovery limits

E Value above quantitation range  
 N Analyte not NELAC certified

**CLIENT:** Epic Consulting, Inc.  
**Work Order:** 0410380  
**Project:** E4124

## ANALYTICAL QC SUMMARY REPORT

BatchID: 50541

Sample ID	0410331-001AMS	SampType:	MS	TestCode:	8260_TCL4.2	Units:	µg/L	Prep Date:	10/9/2004	RunNo:	56561	
Client ID:		Batch ID:	50541	TestNo:	SW8260B			Analysis Date:	10/11/2004	SeqNo:	1096587	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene		48.82	5.0	50	0	97.6	51.1	151	0	0		
Benzene		51.55	5.0	50	0	103	68.9	131	0	0		
Chlorobenzene		49.23	5.0	50	0	98.5	75.4	123	0	0		
Toluene		52.93	5.0	50	0	106	74.8	128	0	0		
Trichloroethene		51.89	5.0	50	0	104	66.3	145	0	0		
Surr: 4-Bromofluorobenzene		50.88	0	50	0	102	63.1	121	0	0		
Surr: Dibromofluoromethane		49.2	0	50	0	98.4	69.5	126	0	0		
Surr: Toluene-d8		52.01	0	50	0	104	74.2	120	0	0		
Sample ID	0410331-001AMSD	SampType:	MSD	TestCode:	8260_TCL4.2	Units:	µg/L	Prep Date:	10/9/2004	RunNo:	56561	
Client ID:		Batch ID:	50541	TestNo:	SW8260B			Analysis Date:	10/11/2004	SeqNo:	1096588	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene		46.87	5.0	50	0	93.7	51.1	151	48.82	4.08	14.3	
Benzene		51.14	5.0	50	0	102	68.9	131	51.55	0.799	10	
Chlorobenzene		48.9	5.0	50	0	97.8	75.4	123	49.23	0.673	10	
Toluene		53.31	5.0	50	0	107	74.8	128	52.93	0.715	10	
Trichloroethene		52.12	5.0	50	0	104	66.3	145	51.89	0.442	11	
Surr: 4-Bromofluorobenzene		49.01	0	50	0	98	63.1	121	50.88	0	0	
Surr: Dibromofluoromethane		49.38	0	50	0	98.8	69.5	126	49.2	0	0	
Surr: Toluene-d8		52.24	0	50	0	104	74.2	120	52.01	0	0	
Sample ID	MB-50541	SampType:	MBLK	TestCode:	8260B_W	Units:	µg/L	Prep Date:	10/9/2004	RunNo:	56561	
Client ID:		Batch ID:	50541	TestNo:	SW8260B			Analysis Date:	10/11/2004	SeqNo:	1096136	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane		BRL	5.0									
1,1,2,2-Tetrachloroethane		BRL	5.0									
1,1,2-Trichloroethane		BRL	5.0									
1,1-Dichloroethane		BRL	5.0									
1,1-Dichloroethene		BRL	5.0									

Qualifiers:    B    Analyte detected in the associated Method Blank  
                   H    Holding times for preparation or analysis exceeded  
                   R    RPD outside accepted recovery limits

      BRL    Below Reporting Limit  
       J    Analyte detected below quantitation limits  
       S    Spike Recovery outside accepted recovery limits

      E    Value above quantitation range  
       N    Analyte not NELAC certified

CLIENT: Epic Consulting, Inc.  
Work Order: 0410380  
Project: E4124

## ANALYTICAL QC SUMMARY REPORT

BatchID: 50541

Sample ID	MB-50541	SampType	MBLK	TestCode	8260B_W	Units	µg/L	Prep Date	10/9/2004	RunNo:	56561		
Client ID:		Batch ID:	50541	TestNo:	SW8260B			Analysis Date:	10/11/2004	SeqNo:	1096136		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene		BRL	5.0										
1,2-Dibromo-3-chloropropane		BRL	5.0										
1,2-Dibromoethane		BRL	5.0										
1,2-Dichlorobenzene		BRL	5.0										
1,2-Dichloroethane		BRL	5.0										
1,2-Dichloroethene, Total		BRL	5.0										
1,2-Dichloropropane		BRL	5.0										
1,3-Dichlorobenzene		BRL	5.0										
1,4-Dichlorobenzene		BRL	5.0										
2-Butanone		BRL	10										
2-Hexanone		BRL	10										
4-Methyl-2-pentanone		BRL	10										
Acetone		BRL	20										
Benzene		BRL	5.0										
Bromodichloromethane		BRL	5.0										
Bromoform		BRL	5.0										
Bromomethane		BRL	5.0										
Carbon disulfide		BRL	5.0										
Carbon tetrachloride		BRL	5.0										
Chlorobenzene		BRL	5.0										
Chloroethane		BRL	10										
Chloroform		BRL	5.0										
Chloromethane		BRL	10										
cis-1,2-Dichloroethene		BRL	5.0										
cis-1,3-Dichloropropene		BRL	5.0										
Cyclohexane		BRL	5.0										
Dibromochloromethane		BRL	5.0										
Dichlorodifluoromethane		BRL	10										
Ethylbenzene		BRL	5.0										
Freon-113		BRL	10										
Isopropylbenzene		BRL	5.0										

Qualifiers: B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
R RPD outside accepted recovery limits

BRL Below Reporting Limit  
J Analyte detected below quantitation limits  
S Spike Recovery outside accepted recovery limits

E Value above quantitation range  
N Analyte not NELAC certified

CLIENT: Epic Consulting, Inc.  
 Work Order: 0410380  
 Project: E4124

## ANALYTICAL QC SUMMARY REPORT

BatchID: 50541

Sample ID	MB-50541	SampType:	MBLK	TestCode:	8260B_W	Units:	µg/L	Prep Date:	10/9/2004	RunNo:	56561		
Client ID:		Batch ID:	50541	TestNo:	SW8260B <th></th> <th></th> <th>Analysis Date:</th> <td>10/11/2004</td> <th>SeqNo:</th> <td>1096136</td>			Analysis Date:	10/11/2004	SeqNo:	1096136		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
m,p-Xylene		BRL	.10										
Methyl acetate		BRL	5.0										
Methyl tert-butyl ether		BRL	5.0										
Methylcyclohexane		BRL	5.0										
Methylene chloride		BRL	5.0										
Naphthalene		BRL	5.0										
o-Xylene		BRL	5.0										
Styrene		BRL	5.0										
Tetrachloroethene		BRL	5.0										
Toluene		BRL	5.0										
trans-1,2-Dichloroethene		BRL	5.0										
trans-1,3-Dichloropropene		BRL	5.0										
Trichloroethene		BRL	5.0										
Trichlorofluoromethane		BRL	5.0										
Vinyl chloride		BRL	2.0										
Xylenes, Total		BRL	5.0										
Surr: 4-Bromofluorobenzene	50.68	5.0	50	0	101	63.1	121	0	0				
Surr: Dibromofluoromethane	50.49	5.0	50	0	101	69.5	126	0	0				
Surr: Toluene-d8	52.93	5.0	50	0	106	74.2	120	0	0				

Sample ID	MB-50541	SampType:	MBLK	TestCode:	8260B_W	Units:	µg/L	Prep Date:	10/9/2004	RunNo:	56562		
Client ID:		Batch ID:	50541	TestNo:	SW8260B			Analysis Date:	10/9/2004	SeqNo:	1096143		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1,1-Trichloroethane	BRL	5.0
1,1,2,2-Tetrachloroethane	BRL	5.0
1,1,2-Trichloroethane	BRL	5.0
1,1-Dichloroethane	BRL	5.0
1,1-Dichloroethene	BRL	5.0
1,2,4-Trichlorobenzene	BRL	5.0
1,2-Dibromo-3-chloropropane	BRL	5.0

Qualifiers:	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

**CLIENT:** Epic Consulting, Inc.  
**Work Order:** 0410380  
**Project:** E4124

## ANALYTICAL QC SUMMARY REPORT

BatchID: 50541

Sample ID	MB-50541	SampType	MBLK	TestCode	8260B_W	Units	µg/L	Prep Date	10/9/2004	RunNo	56562		
Client ID:		Batch ID:	50541	TestNo:	SW8260B			Analysis Date:	10/9/2004	SeqNo:	1096143		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromoethane		BRL		5.0									
1,2-Dichlorobenzene		BRL		5.0									
1,2-Dichloroethane		BRL		5.0									
1,2-Dichloroethene, Total		BRL		5.0									
1,2-Dichloropropane		BRL		5.0									
1,3-Dichlorobenzene		BRL		5.0									
1,4-Dichlorobenzene		BRL		5.0									
2-Butanone		BRL		10									
2-Hexanone		BRL		10									
4-Methyl-2-pentanone		BRL		10									
Acetone		BRL		20									
Benzene		BRL		5.0									
Bromodichloromethane		BRL		5.0									
Bromoform		BRL		5.0									
Bromomethane		BRL		5.0									
Carbon disulfide		BRL		5.0									
Carbon tetrachloride		BRL		5.0									
Chlorobenzene		BRL		5.0									
Chloroethane		BRL		10									
Chloroform		BRL		5.0									
Chloromethane		BRL		10									
cis-1,2-Dichloroethene		BRL		5.0									
cis-1,3-Dichloropropene		BRL		5.0									
Cyclohexane		BRL		5.0									
Dibromochloromethane		BRL		5.0									
Dichlorodifluoromethane		BRL		10									
Ethylbenzene		BRL		5.0									
Freon-113		BRL		10									
Isopropylbenzene		BRL		5.0									
m,p-Xylene		BRL		10									
Methyl acetate		BRL		5.0									

**Qualifiers:** B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
R RPD outside accepted recovery limits

BRL Below Reporting Limit  
J Analyte detected below quantitation limits  
S Spike Recovery outside accepted recovery limits

E Value above quantitation range  
N Analyte not NELAC certified

**CLIENT:** Epic Consulting, Inc.  
**Work Order:** 0410380  
**Project:** E4124

## ANALYTICAL QC SUMMARY REPORT

BatchID: 50541

Sample ID	MB-50541	SampType	MBLK	TestCode	8260B_W	Units	µg/L	Prep Date	10/9/2004	RunNo	56562		
Client ID:		Batch ID:	50541	TestNo:	SW8260B			Analysis Date:	10/9/2004	SeqNo:	1096143		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether		BRL	5.0										
Methylcyclohexane		BRL	5.0										
Methylene chloride		BRL	5.0										
Naphthalene		BRL	5.0										
o-Xylene		BRL	5.0										
Styrene		BRL	5.0										
Tetrachloroethene		BRL	5.0										
Toluene		BRL	5.0										
trans-1,2-Dichloroethene		BRL	5.0										
trans-1,3-Dichloropropene		BRL	5.0										
Trichloroethene		BRL	5.0										
Trichlorofluoromethane		BRL	5.0										
Vinyl chloride		BRL	2.0										
Xylenes, Total		BRL	5.0										
Surr: 4-Bromofluorobenzene	50.82	5.0	50	0	102	63.1	121	0	0				
Surr: Dibromofluoromethane	49.29	5.0	50	0	98.6	69.5	126	0	0				
Surr: Toluene-d8	52.5	5.0	50	0	105	74.2	120	0	0				

Sample ID	LCS-50541	SampType	LCS	TestCode	8260B_W	Units	µg/L	Prep Date	10/9/2004	RunNo	56561		
Client ID:		Batch ID:	50541	TestNo:	SW8260B			Analysis Date:	10/11/2004	SeqNo:	1096137		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene		50.05	5.0	50	0	100	58.1	142	0	0			
Benzene		53.7	5.0	50	0	107	74	127	0	0			
Chlorobenzene		52.24	5.0	50	0	104	79.8	118	0	0			
Toluene		55.3	5.0	50	0	111	78.5	124	0	0			
Trichloroethene		53.88	5.0	50	0	108	74.2	138	0	0			
Surr: 4-Bromofluorobenzene	49.11	5.0	50	0	98.2	63.1	121	0	0				
Surr: Dibromofluoromethane	49.71	5.0	50	0	99.4	69.5	126	0	0				
Surr: Toluene-d8	51.88	5.0	50	0	104	74.2	120	0	0				

**Qualifiers:** B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
R RPD outside accepted recovery limits

BRL Below Reporting Limit  
J Analyte detected below quantitation limits  
S Spike Recovery outside accepted recovery limits

E Value above quantitation range  
N Analyte not NELAC certified



# ANALYTICAL ENVIRONMENTAL SERVICES, INC.

October 12, 2004

James Trichinotis  
Epic Consulting, Inc.  
1341 Canton Road  
Suite E  
Marietta, GA 30066

TEL: (770) 528-0200  
FAX (770) 528-0201

RE: E4124-Allene Ave.

Order No.: 0410430

Dear James Trichinotis:

Analytical Environmental Services, Inc. received 3 samples on 10/11/2004 11:45:00 AM for the analyses presented in the following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative. AES' certifications are as follows:

- NELAC/Florida Certification number E87582 for analysis of Environmental Water, soil/hazardous waste, and Drinking Water, effective 06/01/04-04/30/05.
- AIHA Certification number 505 for analysis of Air, Paint Chips, Soil and Dust Wipes, effective until 02/01/07.

These results relate only to the items tested. This report may only be reproduced in full and contains 24 total pages (including cover letter).

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If you have any questions regarding these test results, please feel free to call.

Sincerely,

Allison Cantrell  
Project Manager



ANALYTICAL ENVIRONMENTAL SERVICES, INC

3785 Presidential Parkway, Atlanta GA 30340-3704

AES

TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

## CHAIN OF CUSTODY

Work Order: 6410430

Date: 10/11/04 Page 1 of 1

COMPANY: <i>Epic</i>		ADDRESS: 1341 Canton Rd.			ANALYSIS REQUESTED							Visit our website <a href="http://www.aesatlanta.com">www.aesatlanta.com</a> to check on the status of your results, place bottle orders, etc.	No # of Containers		
PHONE: 770-528-0200		FAX: 770-528-0201			VOLs (8260)	RCRA Metals	PCBs (SW8082)	PAHs (SW8270C)	Pesticides (SW8081A)						
SAMPLED BY: <i>J. Trichinotis</i>		SIGNATURE: <i>J. Trichinotis</i>			SAMPLED										
#	SAMPLE ID	DATE	TIME	Grab	Composite	Matrix (See codes)	PRESERVATION (See codes)							REMARKS	
1	SB-4	10/8		X		GW	H+I	I	I	I	I				RUSH TAT!
2	SB-5														
3	SB-6		↓		↓	↓		↓	↓	↓	↓	↓			
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
RELINQUISHED BY		DATE/TIME	RECEIVED BY	DATE/TIME			PROJECT INFORMATION							RECEIPT	
<i>J. Trichinotis</i>		10/11/04	<i>Abd</i>	10-11-04 10 <sup>AM</sup>			PROJECT NAME: E4124 - Allene Ave.							Total # of Containers	
<i>Abd</i>		10-11-04 11 <sup>AM</sup>	<i>Abd / Hadi</i>	10/11/04			PROJECT # E4124							Turnaround Time Request	
							SITE ADDRESS:							Standard 5 Business Days	
							SEND REPORT TO: <i>James</i>							2 Business Day Rush	
														Next Business Day Rush	
														Same Day Rush (auth req.)	
														Other _____	
SPECIAL INSTRUCTIONS/COMMENTS:		SHIPMENT METHOD			INVOICE TO: (IF DIFFERENT FROM ABOVE)							STATE PROGRAM (if any): _____			
<i>Results MUST be received by tomorrow (AM)</i>		OUT / /	VIA: <i>FedEx UPS MAIL COURIER</i>								QUOTE #: _____	PO #: _____	E-mail? Y / N; Fax? Y / N		
		IN / /	VIA: <i>GREYHOUND OTHER</i>										DATA PACKAGE: I II III IV		
SAMPLES RECEIVED AFTER 3PM OR SATURDAY ARE CONSIDERED AS RECEIVED ON THE NEXT BUSINESS DAY; IF NO TAT IS MARKED ON COC AES WILL PROCEED AS STANDARD TAT. SAMPLES ARE DISPOSED OF 30 DAYS AFTER COMPLETION OF REPORT UNLESS OTHER ARRANGEMENTS ARE MADE.															

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) O = Other (specify)

PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client E61C

Work Order Number 0410430

Checklist completed by Amet 6 10/11/14  
Signature Date

Carrier name: FedEx  UPS  Courier  Client  US Mail  Other \_\_\_\_\_

Shipping container/cooler in good condition? Yes  No  Not Present

Custody seals intact on shipping container/cooler? Yes  No  Not Present

Custody seals intact on sample bottles? Yes  No  Not Present

Container/Temp Blank temperature in compliance? (4°C±2)\* Yes  No

Cooler #1 4.0°C Cooler #2 \_\_\_\_\_ Cooler #3 \_\_\_\_\_ Cooler #4 \_\_\_\_\_ Cooler#5 \_\_\_\_\_ Cooler #6 \_\_\_\_\_

Chain of custody present? Yes  No

Chain of custody signed when relinquished and received? Yes  No

Chain of custody agrees with sample labels? Yes  No

Samples in proper container/bottle? Yes  No

Sample containers intact? Yes  No

Sufficient sample volume for indicated test? Yes  No

All samples received within holding time? Yes  No

Was TAT marked on the COC? Yes  No

Proceed with Standard TAT as per project history? Yes  No  Not Applicable

Water - VOA vials have zero headspace? No VOA vials submitted Yes  No

Water - pH acceptable upon receipt? Yes  No  Not Applicable

Adjusted? \_\_\_\_\_ Checked by MQZ

Sample Condition: Good  Other(Explain) \_\_\_\_\_

(For diffusive samples or AIHA lead) Is a known blank included? Yes  No

See Case Narrative for resolution of the Non-Conformance.

\* Samples do not have to comply with the given range for certain parameters.

**Analytical Environmental Services, Inc.**

Date: 12-Oct-04

**CLIENT:** Epic Consulting, Inc.  
**Project:** E4124-Allene Ave.  
**Lab Order:** 0410430

**CASE NARRATIVE****PCB Analysis by Method 8082:**

Matrix spike and matrix spike duplicate recoveries for Aroclor 1016 and the surrogate TCMX on sample 0410397-002B were outside control limits biased high. LCS recovery was within control limits indicating possible matrix interference.

**Analytical Environmental Services, Inc.**

Date: 12-Oct-04

**CLIENT:** Epic Consulting, Inc.  
**Lab Order:** 0410430  
**Project:** E4124-Allene Ave.  
**Lab ID:** 0410430-001

**Client Sample ID:** SB-4  
**Collection Date:** 10/8/2004

**Matrix:** GROUNDWATER

Analyses	Result	Rpt. Limit	Qual	Units	BatchID	DF	Date Analyzed
CHLORINATED PESTICIDES, TARGET COMPOUN	SW8081A		(SW3510B)				Analyst: WDP
4,4'-DDD	BRL	0.10	µg/L	50509	1	10/11/2004 4:50:00 P	
4,4'-DDE	BRL	0.10	µg/L	50509	1	10/11/2004 4:50:00 P	
4,4'-DDT	BRL	0.10	µg/L	50509	1	10/11/2004 4:50:00 P	
Aldrin	BRL	0.050	µg/L	50509	1	10/11/2004 4:50:00 P	
alpha-BHC	BRL	0.050	µg/L	50509	1	10/11/2004 4:50:00 P	
alpha-Chlordane	BRL	0.050	µg/L	50509	1	10/11/2004 4:50:00 P	
beta-BHC	BRL	0.050	µg/L	50509	1	10/11/2004 4:50:00 P	
delta-BHC	BRL	0.050	µg/L	50509	1	10/11/2004 4:50:00 P	
Dieldrin	BRL	0.10	µg/L	50509	1	10/11/2004 4:50:00 P	
Endosulfan I	BRL	0.050	µg/L	50509	1	10/11/2004 4:50:00 P	
Endosulfan II	BRL	0.10	µg/L	50509	1	10/11/2004 4:50:00 P	
Endosulfan sulfate	BRL	0.10	µg/L	50509	1	10/11/2004 4:50:00 P	
Endrin	BRL	0.10	µg/L	50509	1	10/11/2004 4:50:00 P	
Endrin aldehyde	BRL	0.10	µg/L	50509	1	10/11/2004 4:50:00 P	
Endrin ketone	BRL	0.10	µg/L	50509	1	10/11/2004 4:50:00 P	
gamma-BHC	BRL	0.050	µg/L	50509	1	10/11/2004 4:50:00 P	
gamma-Chlordane	BRL	0.050	µg/L	50509	1	10/11/2004 4:50:00 P	
Heptachlor	BRL	0.050	µg/L	50509	1	10/11/2004 4:50:00 P	
Heptachlor epoxide	BRL	0.050	µg/L	50509	1	10/11/2004 4:50:00 P	
Methoxychlor	BRL	0.50	µg/L	50509	1	10/11/2004 4:50:00 P	
Toxaphene	BRL	5.0	µg/L	50509	1	10/11/2004 4:50:00 P	
Surr: Decachlorobiphenyl	25.3	10-121	%REC	50509	1	10/11/2004 4:50:00 P	
Surr: Tetrachloro-m-xylene	79.0	10.9-125	%REC	50509	1	10/11/2004 4:50:00 P	
POLYCHLORINATED BIPHENYLS	SW8082		(SW3510B)				Analyst: WDP
Aroclor 1016	BRL	1.0	µg/L	50510	1	10/12/2004 3:31:00 A	
Aroclor 1221	BRL	1.0	µg/L	50510	1	10/12/2004 3:31:00 A	
Aroclor 1232	BRL	1.0	µg/L	50510	1	10/12/2004 3:31:00 A	
Aroclor 1242	BRL	1.0	µg/L	50510	1	10/12/2004 3:31:00 A	
Aroclor 1248	BRL	1.0	µg/L	50510	1	10/12/2004 3:31:00 A	
Aroclor 1254	BRL	1.0	µg/L	50510	1	10/12/2004 3:31:00 A	
Aroclor 1260	BRL	1.0	µg/L	50510	1	10/12/2004 3:31:00 A	
Surr: Decachlorobiphenyl	46.5	21.2-141	%REC	50510	1	10/12/2004 3:31:00 A	
Surr: Tetrachloro-m-xylene	83.4	10.8-112	%REC	50510	1	10/12/2004 3:31:00 A	
METALS, TOTAL	SW6010B		(SW3010A)				Analyst: BB
Arsenic	BRL	0.0500	mg/L	50547	1	10/11/2004 9:56:00 P	
Barium	2.53	0.0200	mg/L	50547	1	10/11/2004 9:56:00 P	
Cadmium	BRL	0.0050	mg/L	50547	1	10/11/2004 9:56:00 P	
Chromium	0.466	0.0100	mg/L	50547	1	10/11/2004 9:56:00 P	
Lead	0.534	0.0100	mg/L	50547	1	10/11/2004 9:56:00 P	

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit	Reporting Limit		S	Page 1 of 9 Spike Recovery outside accepted recovery limits

**Analytical Environmental Services, Inc.**

Date: 12-Oct-04

**CLIENT:** Epic Consulting, Inc.  
**Lab Order:** 0410430  
**Project:** E4124-Allene Ave.  
**Lab ID:** 0410430-001

**Client Sample ID:** SB-4  
**Collection Date:** 10/8/2004

**Matrix:** GROUNDWATER

Analyses	Result	Rpt. Limit	Qual	Units	BatchID	DF	Date Analyzed
<b>METALS, TOTAL</b>		SW6010B		(SW3010A)			Analyst: BB
Selenium	BRL	0.0200		mg/L	50547	1	10/11/2004 9:56:00 P
Silver	BRL	0.0100		mg/L	50547	1	10/11/2004 9:56:00 P
<b>MERCURY, TOTAL</b>		SW7470A		(SW7470A)			Analyst: EM
Mercury	BRL	0.00020		mg/L	50551	1	10/12/2004 9:49:48 A
<b>POLYAROMATIC HYDROCARBONS</b>		SW8270C		(SW3535)			Analyst: EP
Naphthalene	BRL	10		µg/L	50525	1	10/11/2004 8:05:00 P
Acenaphthylene	BRL	10		µg/L	50525	1	10/11/2004 8:05:00 P
1-Methylnaphthalene	BRL	10		µg/L	50525	1	10/11/2004 8:05:00 P
2-Methylnaphthalene	BRL	10		µg/L	50525	1	10/11/2004 8:05:00 P
Acenaphthene	BRL	10		µg/L	50525	1	10/11/2004 8:05:00 P
Fluorene	BRL	10		µg/L	50525	1	10/11/2004 8:05:00 P
Phenanthrene	BRL	10		µg/L	50525	1	10/11/2004 8:05:00 P
Anthracene	BRL	10		µg/L	50525	1	10/11/2004 8:05:00 P
Fluoranthene	BRL	10		µg/L	50525	1	10/11/2004 8:05:00 P
Pyrene	BRL	10		µg/L	50525	1	10/11/2004 8:05:00 P
Benz(a)anthracene	BRL	10		µg/L	50525	1	10/11/2004 8:05:00 P
Chrysene	BRL	10		µg/L	50525	1	10/11/2004 8:05:00 P
Benzo(b)fluoranthene	BRL	10		µg/L	50525	1	10/11/2004 8:05:00 P
Benzo(k)fluoranthene	BRL	10		µg/L	50525	1	10/11/2004 8:05:00 P
Benzo(a)pyrene	BRL	10		µg/L	50525	1	10/11/2004 8:05:00 P
Dibenz(a,h)anthracene	BRL	10		µg/L	50525	1	10/11/2004 8:05:00 P
Benzo(g,h,i)perylene	BRL	10		µg/L	50525	1	10/11/2004 8:05:00 P
Indeno(1,2,3-cd)pyrene	BRL	10		µg/L	50525	1	10/11/2004 8:05:00 P
Surr: Nitrobenzene-d5	92.1	32.3-136		%REC	50525	1	10/11/2004 8:05:00 P
Surr: 2-Fluorobiphenyl	86.9	37-135		%REC	50525	1	10/11/2004 8:05:00 P
Surr: 4-Terphenyl-d14	99.5	21.9-145		%REC	50525	1	10/11/2004 8:05:00 P
<b>TCL VOLATILE ORGANICS</b>		SW8260B		(SW5030B)			Analyst: AD
1,1,1-Trichloroethane	BRL	5.0		µg/L	50552	1	10/11/2004 4:00:00 P
1,1,2,2-Tetrachloroethane	BRL	5.0		µg/L	50552	1	10/11/2004 4:00:00 P
1,1,2-Trichloroethane	BRL	5.0		µg/L	50552	1	10/11/2004 4:00:00 P
1,1-Dichloroethane	BRL	5.0		µg/L	50552	1	10/11/2004 4:00:00 P
1,1-Dichloroethene	BRL	5.0		µg/L	50552	1	10/11/2004 4:00:00 P
1,2,4-Trichlorobenzene	BRL	5.0		µg/L	50552	1	10/11/2004 4:00:00 P
1,2-Dibromo-3-chloropropane	BRL	5.0		µg/L	50552	1	10/11/2004 4:00:00 P
1,2-Dibromoethane	BRL	5.0		µg/L	50552	1	10/11/2004 4:00:00 P
1,2-Dichlorobenzene	BRL	5.0		µg/L	50552	1	10/11/2004 4:00:00 P
1,2-Dichloroethane	BRL	5.0		µg/L	50552	1	10/11/2004 4:00:00 P
1,2-Dichloropropane	BRL	5.0		µg/L	50552	1	10/11/2004 4:00:00 P
1,3-Dichlorobenzene	BRL	5.0		µg/L	50552	1	10/11/2004 4:00:00 P

**Qualifiers:** \* Value exceeds Maximum Contaminant Level  
 BRL Below Reporting Limit  
 H Holding times for preparation or analysis exceeded  
 N Analyte not NELAC certified  
 Rpt Limit Reporting Limit

B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 P NELAC analyte certification pending Page 2 of 9  
 S Spike Recovery outside accepted recovery limits

# Analytical Environmental Services, Inc.

Date: 12-Oct-04

**CLIENT:** Epic Consulting, Inc.  
**Lab Order:** 0410430  
**Project:** E4124-Allene Ave.  
**Lab ID:** 0410430-001

**Client Sample ID:** SB-4  
**Collection Date:** 10/8/2004

**Matrix:** GROUNDWATER

Analyses	Result	Rpt. Limit	Qual	Units	BatchID	DF	Date Analyzed
TCL VOLATILE ORGANICS		SW8260B	(SW5030B)				Analyst: AD
1,4-Dichlorobenzene	BRL	5.0	µg/L	50552	1	10/11/2004 4:00:00 P	
2-Butanone	BRL	10	µg/L	50552	1	10/11/2004 4:00:00 P	
2-Hexanone	BRL	10	µg/L	50552	1	10/11/2004 4:00:00 P	
.4-Methyl-2-pentanone	BRL	10	µg/L	50552	1	10/11/2004 4:00:00 P	
Acetone	BRL	20	µg/L	50552	1	10/11/2004 4:00:00 P	
Benzene	BRL	5.0	µg/L	50552	1	10/11/2004 4:00:00 P	
Bromodichloromethane	BRL	5.0	µg/L	50552	1	10/11/2004 4:00:00 P	
Bromoform	BRL	5.0	µg/L	50552	1	10/11/2004 4:00:00 P	
Bromomethane	BRL	5.0	µg/L	50552	1	10/11/2004 4:00:00 P	
Carbon disulfide	BRL	5.0	µg/L	50552	1	10/11/2004 4:00:00 P	
Carbon tetrachloride	BRL	5.0	µg/L	50552	1	10/11/2004 4:00:00 P	
Chlorobenzene	BRL	5.0	µg/L	50552	1	10/11/2004 4:00:00 P	
Chloroethane	BRL	.10	µg/L	50552	1	10/11/2004 4:00:00 P	
Chloroform	BRL	5.0	µg/L	50552	1	10/11/2004 4:00:00 P	
Chloromethane	BRL	10	µg/L	50552	1	10/11/2004 4:00:00 P	
cis-1,2-Dichloroethene	BRL	5.0	µg/L	50552	1	10/11/2004 4:00:00 P	
cis-1,3-Dichloropropene	BRL	5.0	µg/L	50552	1	10/11/2004 4:00:00 P	
Cyclohexane	BRL	5.0	µg/L	50552	1	10/11/2004 4:00:00 P	
Dibromochloromethane	BRL	5.0	µg/L	50552	1	10/11/2004 4:00:00 P	
Dichlorodifluoromethane	BRL	10	µg/L	50552	1	10/11/2004 4:00:00 P	
Ethylbenzene	BRL	5.0	µg/L	50552	1	10/11/2004 4:00:00 P	
Freon-113	BRL	10	µg/L	50552	1	10/11/2004 4:00:00 P	
Isopropylbenzene	BRL	5.0	µg/L	50552	1	10/11/2004 4:00:00 P	
m,p-Xylene	BRL	10	µg/L	50552	1	10/11/2004 4:00:00 P	
Methyl acetate	BRL	5.0	µg/L	50552	1	10/11/2004 4:00:00 P	
Methyl tert-butyl ether	BRL	5.0	µg/L	50552	1	10/11/2004 4:00:00 P	
Methylcyclohexane	BRL	5.0	µg/L	50552	1	10/11/2004 4:00:00 P	
Methylene chloride	BRL	5.0	µg/L	50552	1	10/11/2004 4:00:00 P	
o-Xylene	BRL	5.0	µg/L	50552	1	10/11/2004 4:00:00 P	
Styrene	BRL	5.0	µg/L	50552	1	10/11/2004 4:00:00 P	
Tetrachloroethene		10	5.0	µg/L	50552	1	10/11/2004 4:00:00 P
Toluene	BRL	5.0	µg/L	50552	1	10/11/2004 4:00:00 P	
trans-1,2-Dichloroethene	BRL	5.0	µg/L	50552	1	10/11/2004 4:00:00 P	
trans-1,3-Dichloropropene	BRL	5.0	µg/L	50552	1	10/11/2004 4:00:00 P	
Trichloroethene	BRL	5.0	µg/L	50552	1	10/11/2004 4:00:00 P	
Trichlorofluoromethane	BRL	5.0	µg/L	50552	1	10/11/2004 4:00:00 P	
Vinyl chloride	BRL	2.0	µg/L	50552	1	10/11/2004 4:00:00 P	
Surr: 4-Bromofluorobenzene	100	63.1-121	%REC	50552	1	10/11/2004 4:00:00 P	
Surr: Dibromofluoromethane	103	69.5-126	%REC	50552	1	10/11/2004 4:00:00 P	
Surr: Toluene-d8	106	74.2-120	%REC	50552	1	10/11/2004 4:00:00 P	

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit	Reporting Limit		S	Page 3 of 9 Spike Recovery outside accepted recovery limits

**Analytical Environmental Services, Inc.**

Date: 12-Oct-04

**CLIENT:** Epic Consulting, Inc.  
**Lab Order:** 0410430  
**Project:** E4124-Allene Ave.  
**Lab ID:** 0410430-002

**Client Sample ID:** SB-5  
**Collection Date:** 10/8/2004

**Matrix:** GROUNDWATER

Analyses	Result	Rpt. Limit	Qual	Units	BatchID	DF	Date Analyzed
<b>POLYCHLORINATED BIPHENYLS</b>							
Aroclor 1016	BRL	1.0	µg/L	50510	1	10/12/2004 4:01:00 A	
Aroclor 1221	BRL	1.0	µg/L	50510	1	10/12/2004 4:01:00 A	
Aroclor 1232	BRL	1.0	µg/L	50510	1	10/12/2004 4:01:00 A	
Aroclor 1242	BRL	1.0	µg/L	50510	1	10/12/2004 4:01:00 A	
Aroclor 1248	BRL	1.0	µg/L	50510	1	10/12/2004 4:01:00 A	
Aroclor 1254	BRL	1.0	µg/L	50510	1	10/12/2004 4:01:00 A	
Aroclor 1260	BRL	1.0	µg/L	50510	1	10/12/2004 4:01:00 A	
Surr: Decachlorobiphenyl	78.1	21.2-141	%REC	50510	1	10/12/2004 4:01:00 A	
Surr: Tetrachloro-m-xylene	92.8	10.8-112	%REC	50510	1	10/12/2004 4:01:00 A	
<b>METALS, TOTAL</b>							
Arsenic	BRL	0.0500	mg/L	50547	1	10/11/2004 10:01:00 I	
Barium	8.73	0.0200	mg/L	50547	1	10/11/2004 10:01:00 I	
Cadmium	BRL	0.0050	mg/L	50547	1	10/11/2004 10:01:00 I	
Chromium		1.16	0.0100	mg/L	50547	1	10/11/2004 10:01:00 I
Lead		0.685	0.0100	mg/L	50547	1	10/11/2004 10:01:00 I
Selenium	BRL	0.0200	mg/L	50547	1	10/11/2004 10:01:00 I	
Silver	BRL	0.0100	mg/L	50547	1	10/11/2004 10:01:00 I	
<b>MERCURY, TOTAL</b>							
Mercury	BRL	0.00020	mg/L	50551	1	10/12/2004 9:51:38 A	
<b>POLYAROMATIC HYDROCARBONS</b>							
Naphthalene	BRL	10	µg/L	50525	1	10/11/2004 8:36:00 P	
Acenaphthylene	BRL	10	µg/L	50525	1	10/11/2004 8:36:00 P	
1-Methylnaphthalene	BRL	10	µg/L	50525	1	10/11/2004 8:36:00 P	
2-Methylnaphthalene	BRL	10	µg/L	50525	1	10/11/2004 8:36:00 P	
Acenaphthene	BRL	10	µg/L	50525	1	10/11/2004 8:36:00 P	
Fluorene	BRL	10	µg/L	50525	1	10/11/2004 8:36:00 P	
Phenanthrene	BRL	10	µg/L	50525	1	10/11/2004 8:36:00 P	
Anthracene	BRL	10	µg/L	50525	1	10/11/2004 8:36:00 P	
Fluoranthene	BRL	10	µg/L	50525	1	10/11/2004 8:36:00 P	
Pyrene	BRL	10	µg/L	50525	1	10/11/2004 8:36:00 P	
Benz(a)anthracene	BRL	10	µg/L	50525	1	10/11/2004 8:36:00 P	
Chrysene	BRL	10	µg/L	50525	1	10/11/2004 8:36:00 P	
Benzo(b)fluoranthene	BRL	10	µg/L	50525	1	10/11/2004 8:36:00 P	
Benzo(k)fluoranthene	BRL	10	µg/L	50525	1	10/11/2004 8:36:00 P	
Benzo(a)pyrene	BRL	10	µg/L	50525	1	10/11/2004 8:36:00 P	
Dibenz(a,h)anthracene	BRL	10	µg/L	50525	1	10/11/2004 8:36:00 P	
Benzo(g,h,i)perylene	BRL	10	µg/L	50525	1	10/11/2004 8:36:00 P	
Indeno(1,2,3-cd)pyrene	BRL	10	µg/L	50525	1	10/11/2004 8:36:00 P	
Surr: Nitrobenzene-d5	85.6	32.3-136	%REC	50525	1	10/11/2004 8:36:00 P	

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit		Reporting Limit	S	Page 4 of 9 Spike Recovery outside accepted recovery limits

**Analytical Environmental Services, Inc.**

Date: 12-Oct-04

**CLIENT:** Epic Consulting, Inc.  
**Lab Order:** 0410430  
**Project:** E4124-Allene Ave.  
**Lab ID:** 0410430-002

**Client Sample ID:** SB-5  
**Collection Date:** 10/8/2004

**Matrix:** GROUNDWATER

Analyses	Result	Rpt. Limit	Qual	Units	BatchID	DF	Date Analyzed
<b>POLYAROMATIC HYDROCARBONS</b>		<b>SW8270C</b>		<b>(SW3535)</b>			<b>Analyst: EP</b>
Surr: 2-Fluorobiphenyl	87.8	37-135	%REC		50525	1	10/11/2004 8:36:00 P
Surr: 4-Terphenyl-d14	99.3	21.9-145	%REC		50525	1	10/11/2004 8:36:00 P
<b>TCL VOLATILE ORGANICS</b>		<b>SW8260B</b>		<b>(SW5030B)</b>			<b>Analyst: AD</b>
1,1,1-Trichloroethane	BRL	5.0	µg/L		50552	1	10/11/2004 4:28:00 P
1,1,2,2-Tetrachloroethane	BRL	5.0	µg/L		50552	1	10/11/2004 4:28:00 P
1,1,2-Trichloroethane	BRL	5.0	µg/L		50552	1	10/11/2004 4:28:00 P
1,1-Dichloroethane	BRL	5.0	µg/L		50552	1	10/11/2004 4:28:00 P
1,1-Dichloroethene	BRL	5.0	µg/L		50552	1	10/11/2004 4:28:00 P
1,2,4-Trichlorobenzene	BRL	5.0	µg/L		50552	1	10/11/2004 4:28:00 P
1,2-Dibromo-3-chloropropane	BRL	5.0	µg/L		50552	1	10/11/2004 4:28:00 P
1,2-Dibromoethane	BRL	5.0	µg/L		50552	1	10/11/2004 4:28:00 P
1,2-Dichlorobenzene	BRL	5.0	µg/L		50552	1	10/11/2004 4:28:00 P
1,2-Dichloroethane	BRL	5.0	µg/L		50552	1	10/11/2004 4:28:00 P
1,2-Dichloropropane	BRL	5.0	µg/L		50552	1	10/11/2004 4:28:00 P
1,3-Dichlorobenzene	BRL	5.0	µg/L		50552	1	10/11/2004 4:28:00 P
1,4-Dichlorobenzene	BRL	5.0	µg/L		50552	1	10/11/2004 4:28:00 P
2-Butanone	BRL	10	µg/L		50552	1	10/11/2004 4:28:00 P
2-Hexanone	BRL	10	µg/L		50552	1	10/11/2004 4:28:00 P
4-Methyl-2-pentanone	BRL	10	µg/L		50552	1	10/11/2004 4:28:00 P
Acetone	BRL	20	µg/L		50552	1	10/11/2004 4:28:00 P
Benzene	BRL	5.0	µg/L		50552	1	10/11/2004 4:28:00 P
Bromodichloromethane	BRL	5.0	µg/L		50552	1	10/11/2004 4:28:00 P
Bromoform	BRL	5.0	µg/L		50552	1	10/11/2004 4:28:00 P
Bromomethane	BRL	5.0	µg/L		50552	1	10/11/2004 4:28:00 P
Carbon disulfide	BRL	5.0	µg/L		50552	1	10/11/2004 4:28:00 P
Carbon tetrachloride	BRL	5.0	µg/L		50552	1	10/11/2004 4:28:00 P
Chlorobenzene	BRL	5.0	µg/L		50552	1	10/11/2004 4:28:00 P
Chloroethane	BRL	10	µg/L		50552	1	10/11/2004 4:28:00 P
Chloroform	BRL	5.0	µg/L		50552	1	10/11/2004 4:28:00 P
Chloromethane	BRL	10	µg/L		50552	1	10/11/2004 4:28:00 P
cis-1,2-Dichloroethene	BRL	5.0	µg/L		50552	1	10/11/2004 4:28:00 P
cis-1,3-Dichloropropene	BRL	5.0	µg/L		50552	1	10/11/2004 4:28:00 P
Cyclohexane	BRL	5.0	µg/L		50552	1	10/11/2004 4:28:00 P
Dibromochloromethane	BRL	5.0	µg/L		50552	1	10/11/2004 4:28:00 P
Dichlorodifluoromethane	BRL	10	µg/L		50552	1	10/11/2004 4:28:00 P
Ethylbenzene	BRL	5.0	µg/L		50552	1	10/11/2004 4:28:00 P
Freon-113	BRL	10	µg/L		50552	1	10/11/2004 4:28:00 P
Isopropylbenzene	BRL	5.0	µg/L		50552	1	10/11/2004 4:28:00 P
m,p-Xylene	BRL	10	µg/L		50552	1	10/11/2004 4:28:00 P
Methyl acetate	BRL	5.0	µg/L		50552	1	10/11/2004 4:28:00 P

**Qualifiers:** \* Value exceeds Maximum Contaminant Level

BRL Below Reporting Limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

Rpt Limit Reporting Limit

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P NELAC analyte certification pending Page 5 of 9

S Spike Recovery outside accepted recovery limits

**Analytical Environmental Services, Inc.**

Date: 12-Oct-04

**CLIENT:** Epic Consulting, Inc.  
**Lab Order:** 0410430  
**Project:** E4124-Allene Ave.  
**Lab ID:** 0410430-002

**Client Sample ID:** SB-5  
**Collection Date:** 10/8/2004

**Matrix:** GROUNDWATER

Analyses	Result	Rpt. Limit	Qual	Units	BatchID	DF	Date Analyzed
<b>TCL VOLATILE ORGANICS</b>							
Methyl tert-butyl ether	BRL	5.0	µg/L	50552	1	10/11/2004 4:28:00 P	
Methylcyclohexane	BRL	5.0	µg/L	50552	1	10/11/2004 4:28:00 P	
Methylene chloride	BRL	5.0	µg/L	50552	1	10/11/2004 4:28:00 P	
o-Xylene	BRL	5.0	µg/L	50552	1	10/11/2004 4:28:00 P	
Styrene	BRL	5.0	µg/L	50552	1	10/11/2004 4:28:00 P	
Tetrachloroethene	BRL	5.0	µg/L	50552	1	10/11/2004 4:28:00 P	
Toluene	BRL	5.0	µg/L	50552	1	10/11/2004 4:28:00 P	
trans-1,2-Dichloroethene	BRL	5.0	µg/L	50552	1	10/11/2004 4:28:00 P	
trans-1,3-Dichloropropene	BRL	5.0	µg/L	50552	1	10/11/2004 4:28:00 P	
Trichloroethene	BRL	5.0	µg/L	50552	1	10/11/2004 4:28:00 P	
Trichlorofluoromethane	BRL	5.0	µg/L	50552	1	10/11/2004 4:28:00 P	
Vinyl chloride	BRL	2.0	µg/L	50552	1	10/11/2004 4:28:00 P	
Surr: 4-Bromofluorobenzene	100	63.1-121	%REC	50552	1	10/11/2004 4:28:00 P	
Surr: Dibromofluoromethane	102	69.5-126	%REC	50552	1	10/11/2004 4:28:00 P	
Surr: Toluene-d8	106	74.2-120	%REC	50552	1	10/11/2004 4:28:00 P	

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit	Reporting Limit		S	Page 6 of 9 Spike Recovery outside accepted recovery limits

# Analytical Environmental Services, Inc.

Date: 12-Oct-04

**CLIENT:** Epic Consulting, Inc.  
**Lab Order:** 0410430  
**Project:** E4124-Allene Ave.  
**Lab ID:** 0410430-003

**Client Sample ID:** SB-6  
**Collection Date:** 10/8/2004

**Matrix:** GROUNDWATER

Analyses	Result	Rpt. Limit	Qual	Units	BatchID	DF	Date Analyzed
CHLORINATED PESTICIDES, TARGET COMPOUN		SW8081A		(SW3510B)			Analyst: WDP
4,4'-DDD	BRL	0.10		µg/L	50509	1	10/11/2004 5:49:00 P
4,4'-DDE	BRL	0.10		µg/L	50509	1	10/11/2004 5:49:00 P
4,4'-DDT	BRL	0.10		µg/L	50509	1	10/11/2004 5:49:00 P
Aldrin	BRL	0.050		µg/L	50509	1	10/11/2004 5:49:00 P
alpha-BHC	BRL	0.050		µg/L	50509	1	10/11/2004 5:49:00 P
alpha-Chlordane	BRL	0.050		µg/L	50509	1	10/11/2004 5:49:00 P
beta-BHC	BRL	0.050		µg/L	50509	1	10/11/2004 5:49:00 P
delta-BHC	BRL	0.050		µg/L	50509	1	10/11/2004 5:49:00 P
Dieldrin	BRL	0.10		µg/L	50509	1	10/11/2004 5:49:00 P
Endosulfan I	BRL	0.050		µg/L	50509	1	10/11/2004 5:49:00 P
Endosulfan II	BRL	0.10		µg/L	50509	1	10/11/2004 5:49:00 P
Endosulfan sulfate	BRL	0.10		µg/L	50509	1	10/11/2004 5:49:00 P
Endrin	BRL	0.10		µg/L	50509	1	10/11/2004 5:49:00 P
Endrin aldehyde	BRL	0.10		µg/L	50509	1	10/11/2004 5:49:00 P
Endrin ketone	BRL	0.10		µg/L	50509	1	10/11/2004 5:49:00 P
gamma-BHC	BRL	0.050		µg/L	50509	1	10/11/2004 5:49:00 P
gamma-Chlordane	BRL	0.050		µg/L	50509	1	10/11/2004 5:49:00 P
Heptachlor	BRL	0.050		µg/L	50509	1	10/11/2004 5:49:00 P
Heptachlor epoxide	BRL	0.050		µg/L	50509	1	10/11/2004 5:49:00 P
Methoxychlor	BRL	0.50		µg/L	50509	1	10/11/2004 5:49:00 P
Toxaphene	BRL	5.0		µg/L	50509	1	10/11/2004 5:49:00 P
Surr: Decachlorobiphenyl	49.8	10-121		%REC	50509	1	10/11/2004 5:49:00 P
Surr: Tetrachloro-m-xylene	93.1	10.9-125		%REC	50509	1	10/11/2004 5:49:00 P
POLYCHLORINATED BIPHENYLS		SW8082		(SW3510B)			Analyst: WDP
Aroclor 1016	BRL	1.0		µg/L	50510	1	10/12/2004 4:30:00 A
Aroclor 1221	BRL	1.0		µg/L	50510	1	10/12/2004 4:30:00 A
Aroclor 1232	BRL	1.0		µg/L	50510	1	10/12/2004 4:30:00 A
Aroclor 1242	BRL	1.0		µg/L	50510	1	10/12/2004 4:30:00 A
Aroclor 1248	BRL	1.0		µg/L	50510	1	10/12/2004 4:30:00 A
Aroclor 1254	BRL	1.0		µg/L	50510	1	10/12/2004 4:30:00 A
Aroclor 1260	BRL	1.0		µg/L	50510	1	10/12/2004 4:30:00 A
Surr: Decachlorobiphenyl	76.3	21.2-141		%REC	50510	1	10/12/2004 4:30:00 A
Surr: Tetrachloro-m-xylene	95.6	10.8-112		%REC	50510	1	10/12/2004 4:30:00 A
METALS, TOTAL		SW6010B		(SW3010A)			Analyst: BB
Arsenic	BRL	0.0500		mg/L	50547	1	10/11/2004 9:43:00 P
Barium		0.0854	0.0200	mg/L	50547	1	10/11/2004 9:43:00 P
Cadmium	BRL	0.0050		mg/L	50547	1	10/11/2004 9:43:00 P
Chromium	BRL	0.0100		mg/L	50547	1	10/11/2004 9:43:00 P
Lead	BRL	0.0100		mg/L	50547	1	10/11/2004 9:43:00 P

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BR	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit		Reporting Limit	S	Page 7 of 9 Spike Recovery outside accepted recovery limits

# Analytical Environmental Services, Inc.

Date: 12-Oct-04

**CLIENT:** Epic Consulting, Inc.  
**Lab Order:** 0410430  
**Project:** E4124-Allene Ave.  
**Lab ID:** 0410430-003

**Client Sample ID:** SB-6  
**Collection Date:** 10/8/2004

**Matrix:** GROUNDWATER

Analyses	Result	Rpt. Limit	Qual	Units	BatchID	DF	Date Analyzed
<b>METALS, TOTAL</b>				<b>SW6010B</b>	<b>(SW3010A)</b>		<b>Analyst: BB</b>
Selenium	BRL	0.0200		mg/L	50547	1	10/11/2004 9:43:00 P
Silver	BRL	0.0100		mg/L	50547	1	10/11/2004 9:43:00 P
<b>MERCURY, TOTAL</b>				<b>SW7470A</b>	<b>(SW7470A)</b>		<b>Analyst: EM</b>
Mercury	BRL	0.00020		mg/L	50551	1	10/12/2004 9:57:14 A
<b>POLYAROMATIC HYDROCARBONS</b>				<b>SW8270C</b>	<b>(SW3535)</b>		<b>Analyst: EP</b>
Naphthalene	BRL	10		µg/L	50525	1	10/11/2004 9:08:00 P
Acenaphthylene	BRL	10		µg/L	50525	1	10/11/2004 9:08:00 P
1-Methylnaphthalene	BRL	10		µg/L	50525	1	10/11/2004 9:08:00 P
2-Methylnaphthalene	BRL	10		µg/L	50525	1	10/11/2004 9:08:00 P
Acenaphthene	BRL	10		µg/L	50525	1	10/11/2004 9:08:00 P
Fluorene	BRL	10		µg/L	50525	1	10/11/2004 9:08:00 P
Phenanthrene	BRL	10		µg/L	50525	1	10/11/2004 9:08:00 P
Anthracene	BRL	10		µg/L	50525	1	10/11/2004 9:08:00 P
Fluoranthene	BRL	10		µg/L	50525	1	10/11/2004 9:08:00 P
Pyrene	BRL	10		µg/L	50525	1	10/11/2004 9:08:00 P
Benz(a)anthracene	BRL	10		µg/L	50525	1	10/11/2004 9:08:00 P
Chrysene	BRL	10		µg/L	50525	1	10/11/2004 9:08:00 P
Benzo(b)fluoranthene	BRL	10		µg/L	50525	1	10/11/2004 9:08:00 P
Benzo(k)fluoranthene	BRL	10		µg/L	50525	1	10/11/2004 9:08:00 P
Benzo(a)pyrene	BRL	10		µg/L	50525	1	10/11/2004 9:08:00 P
Dibenz(a,h)anthracene	BRL	10		µg/L	50525	1	10/11/2004 9:08:00 P
Benzo(g,h,i)perylene	BRL	10		µg/L	50525	1	10/11/2004 9:08:00 P
Indeno(1,2,3-cd)pyrene	BRL	10		µg/L	50525	1	10/11/2004 9:08:00 P
Surr: Nitrobenzene-d5	85.9	32.3-136		%REC	50525	1	10/11/2004 9:08:00 P
Surr: 2-Fluorobiphenyl	85.6	37-135		%REC	50525	1	10/11/2004 9:08:00 P
Surr: 4-Terphenyl-d14	96.1	21.9-145		%REC	50525	1	10/11/2004 9:08:00 P
<b>TCL VOLATILE ORGANICS</b>				<b>SW8260B</b>	<b>(SW5030B)</b>		<b>Analyst: AD</b>
1,1,1-Trichloroethane	BRL	5.0		µg/L	50552	1	10/11/2004 4:55:00 P
1,1,2,2-Tetrachloroethane	BRL	5.0		µg/L	50552	1	10/11/2004 4:55:00 P
1,1,2-Trichloroethane	BRL	5.0		µg/L	50552	1	10/11/2004 4:55:00 P
1,1-Dichloroethane	BRL	5.0		µg/L	50552	1	10/11/2004 4:55:00 P
1,1-Dichloroethene	BRL	5.0		µg/L	50552	1	10/11/2004 4:55:00 P
1,2,4-Trichlorobenzene	BRL	5.0		µg/L	50552	1	10/11/2004 4:55:00 P
1,2-Dibromo-3-chloropropane	BRL	5.0		µg/L	50552	1	10/11/2004 4:55:00 P
1,2-Dibromoethane	BRL	5.0		µg/L	50552	1	10/11/2004 4:55:00 P
1,2-Dichlorobenzene	BRL	5.0		µg/L	50552	1	10/11/2004 4:55:00 P
1,2-Dichloroethane	BRL	5.0		µg/L	50552	1	10/11/2004 4:55:00 P
1,2-Dichloropropane	BRL	5.0		µg/L	50552	1	10/11/2004 4:55:00 P
1,3-Dichlorobenzene	BRL	5.0		µg/L	50552	1	10/11/2004 4:55:00 P

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit	Reporting Limit		S	Page 8 of 9 Spike Recovery outside accepted recovery limits

# Analytical Environmental Services, Inc.

Date: 12-Oct-04

CLIENT: Epic Consulting, Inc.  
 Lab Order: 0410430  
 Project: E4124-Allene Ave.  
 Lab ID: 0410430-003

Client Sample ID: SB-6  
 Collection Date: 10/8/2004

Matrix: GROUNDWATER

Analyses	Result	Rpt. Limit	Qual	Units	BatchID	DF	Date Analyzed
<b>TCL VOLATILE ORGANICS</b>							
1,4-Dichlorobenzene	BRL	5.0	µg/L	50552	1	10/11/2004 4:55:00 P	
2-Butanone	BRL	10	µg/L	50552	1	10/11/2004 4:55:00 P	
2-Hexanone	BRL	10	µg/L	50552	1	10/11/2004 4:55:00 P	
4-Methyl-2-pentanone	BRL	10	µg/L	50552	1	10/11/2004 4:55:00 P	
Acetone	BRL	20	µg/L	50552	1	10/11/2004 4:55:00 P	
Benzene	BRL	5.0	µg/L	50552	1	10/11/2004 4:55:00 P	
Bromodichloromethane	BRL	5.0	µg/L	50552	1	10/11/2004 4:55:00 P	
Bromoform	BRL	5.0	µg/L	50552	1	10/11/2004 4:55:00 P	
Bromomethane	BRL	5.0	µg/L	50552	1	10/11/2004 4:55:00 P	
Carbon disulfide	BRL	5.0	µg/L	50552	1	10/11/2004 4:55:00 P	
Carbon tetrachloride	BRL	5.0	µg/L	50552	1	10/11/2004 4:55:00 P	
Chlorobenzene	BRL	5.0	µg/L	50552	1	10/11/2004 4:55:00 P	
Chloroethane	BRL	10	µg/L	50552	1	10/11/2004 4:55:00 P	
Chloroform	BRL	5.0	µg/L	50552	1	10/11/2004 4:55:00 P	
Chloromethane	BRL	10	µg/L	50552	1	10/11/2004 4:55:00 P	
cis-1,2-Dichloroethene	BRL	5.0	µg/L	50552	1	10/11/2004 4:55:00 P	
cis-1,3-Dichloropropene	BRL	5.0	µg/L	50552	1	10/11/2004 4:55:00 P	
Cyclohexane	BRL	5.0	µg/L	50552	1	10/11/2004 4:55:00 P	
Dibromochloromethane	BRL	5.0	µg/L	50552	1	10/11/2004 4:55:00 P	
Dichlorodifluoromethane	BRL	10	µg/L	50552	1	10/11/2004 4:55:00 P	
Ethylbenzene	BRL	5.0	µg/L	50552	1	10/11/2004 4:55:00 P	
Freon-113	BRL	10	µg/L	50552	1	10/11/2004 4:55:00 P	
Isopropylbenzene	BRL	5.0	µg/L	50552	1	10/11/2004 4:55:00 P	
m,p-Xylene	BRL	10	µg/L	50552	1	10/11/2004 4:55:00 P	
Methyl acetate	BRL	5.0	µg/L	50552	1	10/11/2004 4:55:00 P	
Methyl tert-butyl ether	BRL	5.0	µg/L	50552	1	10/11/2004 4:55:00 P	
Methylcyclohexane	BRL	5.0	µg/L	50552	1	10/11/2004 4:55:00 P	
Methylene chloride	BRL	5.0	µg/L	50552	1	10/11/2004 4:55:00 P	
o-Xylene	BRL	5.0	µg/L	50552	1	10/11/2004 4:55:00 P	
Styrene	BRL	5.0	µg/L	50552	1	10/11/2004 4:55:00 P	
Tetrachloroethene	BRL	5.0	µg/L	50552	1	10/11/2004 4:55:00 P	
Toluene	BRL	5.0	µg/L	50552	1	10/11/2004 4:55:00 P	
trans-1,2-Dichloroethene	BRL	5.0	µg/L	50552	1	10/11/2004 4:55:00 P	
trans-1,3-Dichloropropene	BRL	5.0	µg/L	50552	1	10/11/2004 4:55:00 P	
Trichloroethene	BRL	5.0	µg/L	50552	1	10/11/2004 4:55:00 P	
Trichlorofluoromethane	BRL	5.0	µg/L	50552	1	10/11/2004 4:55:00 P	
Vinyl chloride	BRL	2.0	µg/L	50552	1	10/11/2004 4:55:00 P	
Surr: 4-Bromofluorobenzene	99.8	63.1-121	%REC	50552	1	10/11/2004 4:55:00 P	
Surr: Dibromofluoromethane	102	69.5-126	%REC	50552	1	10/11/2004 4:55:00 P	
Surr: Toluene-d8	107	74.2-120	%REC	50552	1	10/11/2004 4:55:00 P	

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit		Reporting Limit	S	Page 9 of 9 Spike Recovery outside accepted recovery limits

**CLIENT:** Epic Consulting, Inc.  
**Work Order:** 0410430  
**Project:** E4124-Allene Ave.

**ANALYTICAL QC SUMMARY REPORT****BatchID: 50509**

Sample ID	MB-50509	SampType:	MBLK	TestCode:	8081_TCL_W	Units:	µg/L	Prep Date:	10/11/2004	RunNo:	56577		
Client ID:		Batch ID:	50509	TestNo:	SW8081A			Analysis Date:	10/11/2004	SeqNo:	1096448		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD		BRL	0.10										
4,4'-DDE		BRL	0.10										
4,4'-DDT		BRL	0.10										
Aldrin		BRL	0.050										
alpha-BHC		BRL	0.050										
alpha-Chlordane		BRL	0.050										
beta-BHC		BRL	0.050										
delta-BHC		BRL	0.050										
Dieldrin		BRL	0.10										
Endosulfan I		BRL	0.050										
Endosulfan II		BRL	0.10										
Endosulfan sulfate		BRL	0.10										
Endrin		BRL	0.10										
Endrin aldehyde		BRL	0.10										
Endrin ketone		BRL	0.10										
gamma-BHC		BRL	0.050										
gamma-Chlordane		BRL	0.050										
Heptachlor		BRL	0.050										
Heptachlor epoxide		BRL	0.050										
Methoxychlor		BRL	0.50										
Toxaphene		BRL	5.0										
Surr: Decachlorobiphenyl	0.3795	0	0.5	0	75.9	10	121	0	0	0			
Surr: Tetrachloro-m-xylene	0.1996	0	0.5	0	39.9	10.9	125	0	0	0			

Sample ID	0410430-002B	SampType:	MBLK	TestCode:	8081_TCL_W	Units:	µg/L	Prep Date:	10/11/2004	RunNo:	56577		
Client ID:	SB-5	Batch ID:	50509	TestNo:	SW8081A			Analysis Date:	10/11/2004	SeqNo:	1096595		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD		BRL	0.10	0	0	0	0	0	0	0	0	0	

**Qualifiers:** B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
R RPD outside accepted recovery limits

BRL Below Reporting Limit  
J Analyte detected below quantitation limits  
S Spike Recovery outside accepted recovery limits

E Value above quantitation range  
N Analyte not NELAC certified

CLIENT: Epic Consulting, Inc.  
 Work Order: 0410430  
 Project: E4124-Allene Ave.

## ANALYTICAL QC SUMMARY REPORT

BatchID: 50509

Sample ID	0410430-002B	SampType:	MBLK	TestCode:	8081_TCL_W	Units:	µg/L	Prep Date:	10/11/2004	RunNo:	56577	
Client ID:	SB-5	Batch ID:	50509	TestNo:	SW8081A			Analysis Date:	10/11/2004	SeqNo:	1096595	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDE		BRL	0.10	0	0	0	0	0	0	0	0	
4,4'-DDT		BRL	0.10	0	0	0	0	0	0	0	0	
Aldrin		BRL	0.050	0	0	0	0	0	0	0	0	
alpha-BHC		BRL	0.050	0	0	0	0	0	0	0	0	
alpha-Chlordane		BRL	0.050	0	0	0	0	0	0	0	0	
beta-BHC		BRL	0.050	0	0	0	0	0	0	0	0	
delta-BHC		BRL	0.050	0	0	0	0	0	0	0	0	
Dieldrin		BRL	0.10	0	0	0	0	0	0	0	0	
Endosulfan I		BRL	0.050	0	0	0	0	0	0	0	0	
Endosulfan II		BRL	0.10	0	0	0	0	0	0	0	0	
Endosulfan sulfate		BRL	0.10	0	0	0	0	0	0	0	0	
Endrin		BRL	0.10	0	0	0	0	0	0	0	0	
Endrin aldehyde		BRL	0.10	0	0	0	0	0	0	0	0	
Endrin ketone		BRL	0.10	0	0	0	0	0	0	0	0	
gamma-BHC		BRL	0.050	0	0	0	0	0	0	0	0	
gamma-Chlordane		BRL	0.050	0	0	0	0	0	0	0	0	
Heptachlor		BRL	0.050	0	0	0	0	0	0	0	0	
Heptachlor epoxide		BRL	0.050	0	0	0	0	0	0	0	0	
Methoxychlor		BRL	0.50	0	0	0	0	0	0	0	0	
Toxaphene		BRL	5.0	0	0	0	0	0	0	0	0	
Surr: Decachlorobiphenyl	0.2624	0	0.5	0	52.5	10	121	0	0	0	0	
Surr: Tetrachloro-m-xylene	0.4514	0	0.5	0	90.3	10.9	125	0	0	0	0	

Sample ID	LCS-50509	SampType:	LCS	TestCode:	8081_TCL_W	Units:	µg/L	Prep Date:	10/11/2004	RunNo:	56577	
Client ID:		Batch ID:	50509	TestNo:	SW8081A			Analysis Date:	10/11/2004	SeqNo:	1096449	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDT		1.093	0.10	1	0	109	49.9	150	0	0	0	
Aldrin		0.7901	0.050	1	0	79	41.5	135	0	0	0	
Dieldrin		1.012	0.10	1	0	101	63.3	143	0	0	0	
Endrin		1.07	0.10	1	0	107	51.8	144	0	0	0	

Qualifiers: B Analyte detected in the associated Method Blank  
 H Holding times for preparation or analysis exceeded  
 R RPD outside accepted recovery limits

BRL Below Reporting Limit  
 J Analyte detected below quantitation limits  
 S Spike Recovery outside accepted recovery limits

E Value above quantitation range  
 N Analyte not NELAC certified

CLIENT: Epic Consulting, Inc.  
 Work Order: 0410430  
 Project: E4124-Allene Ave.

## ANALYTICAL QC SUMMARY REPORT

BatchID: 50509

Sample ID	LCS-50509	SampType:	LCS	TestCode:	8081_TCL_W	Units:	µg/L	Prep Date:	10/11/2004	RunNo:	56577	
Client ID:		Batch ID:	50509	TestNo:	SW8081A			Analysis Date:	10/11/2004	SeqNo:	1096449	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
gamma-BHC		0.9138	0.050	1	0	91.4	44.7	127	0	0	0	
Heptachlor		0.7915	0.050	1	0	79.1	40.5	122	0	0	0	
Surr: Decachlorobiphenyl		0.4044	0	0.5	0	80.9	10	121	0	0	0	
Surr: Tetrachloro-m-xylene		0.3614	0	0.5	0	72.3	10.9	125	0	0	0	
Sample ID	0410397-001BMS	SampType:	MS	TestCode:	8081_TCL_W	Units:	µg/L	Prep Date:	10/11/2004	RunNo:	56577	
Client ID:		Batch ID:	50509	TestNo:	SW8081A			Analysis Date:	10/11/2004	SeqNo:	1096451	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDT		0.9269	0.10	1	0	92.7	56.3	134	0	0	0	
Aldrin		0.7744	0.050	1	0	77.4	55	127	0	0	0	
Dieldrin		0.9588	0.10	1	0	95.9	66.1	142	0	0	0	
Endrin		1.023	0.10	1	0	102	50	148	0	0	0	
gamma-BHC		0.8497	0.050	1	0	85	52.1	124	0	0	0	
Heptachlor		0.8221	0.050	1	0	82.2	43.2	131	0	0	0	
Surr: Decachlorobiphenyl		0.2224	0	0.5	0	44.5	10	121	0	0	0	
Surr: Tetrachloro-m-xylene		0.3223	0	0.5	0	64.5	10.9	125	0	0	0	
Sample ID	0410397-001BMSD	SampType:	MSD	TestCode:	8081_TCL_W	Units:	µg/L	Prep Date:	10/11/2004	RunNo:	56577	
Client ID:		Batch ID:	50509	TestNo:	SW8081A			Analysis Date:	10/11/2004	SeqNo:	1096486	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDT		0.9184	0.10	1	0	91.8	56.3	134	0.9269	0.924	16.9	
Aldrin		0.7788	0.050	1	0	77.9	55	127	0.7744	0.572	24.9	
Dieldrin		0.9769	0.10	1	0	97.7	66.1	142	0.9588	1.87	16.1	
Endrin		1.03	0.10	1	0	103	50	148	1.023	0.669	16.6	
gamma-BHC		0.8554	0.050	1	0	85.5	52.1	124	0.8497	0.670	25.6	
Heptachlor		0.8272	0.050	1	0	82.7	43.2	131	0.8221	0.618	24.2	
Surr: Decachlorobiphenyl		0.2201	0	0.5	0	44	10	121	0.2224	0	0	
Surr: Tetrachloro-m-xylene		0.327	0	0.5	0	65.4	10.9	125	0.3223	0	0	

Qualifiers: B Analyte detected in the associated Method Blank  
 H Holding times for preparation or analysis exceeded  
 R RPD outside accepted recovery limits

BRL Below Reporting Limit  
 J Analyte detected below quantitation limits  
 S Spike Recovery outside accepted recovery limits

E Value above quantitation range  
 N Analyte not NELAC certified

CLIENT: Epic Consulting, Inc.  
 Work Order: 0410430  
 Project: E4124-Allene Ave.

## ANALYTICAL QC SUMMARY REPORT

BatchID: 50510

Sample ID	MB-50510	SampType	MBLK	TestCode	8082_W	Units	µg/L	Prep Date	10/11/2004	RunNo:	56587	
Client ID:		Batch ID:	50510	TestNo:	SW8082			Analysis Date:	10/11/2004	SeqNo:	1096823	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016		BRL	1.0									
Aroclor 1221		BRL	1.0									
Aroclor 1232		BRL	1.0									
Aroclor 1242		BRL	1.0									
Aroclor 1248		BRL	1.0									
Aroclor 1254		BRL	1.0									
Aroclor 1260		BRL	1.0									
Surr: Decachlorobiphenyl	0.3898	0	0.5	0	78	21.2	141	0	0			
Surr: Tetrachloro-m-xylene	0.2019	0	0.5	0	40.4	10.8	112	0	0			
Sample ID	LCS-50510	SampType	LCS	TestCode	8082_W	Units	µg/L	Prep Date	10/11/2004	RunNo:	56587	
Client ID:	<th>Batch ID:</th> <td>50510</td> <th>TestNo:</th> <td>SW8082</td> <th></th> <th></th> <th>Analysis Date:</th> <td>10/11/2004</td> <th>SeqNo:</th> <td>1096824</td>	Batch ID:	50510	TestNo:	SW8082			Analysis Date:	10/11/2004	SeqNo:	1096824	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	4.731	1.0	5	0	94.6	53.8	115	0	0			
Aroclor 1260	4.733	1.0	5	0	94.7	64.9	115	0	0			
Surr: Decachlorobiphenyl	0.3756	0	0.5	0	75.1	21.2	141	0	0			
Surr: Tetrachloro-m-xylene	0.35	0	0.5	0	70	10.8	112	0	0			
Sample ID	0410397-002BMS	SampType	MS	TestCode	8082_W	Units	µg/L	Prep Date	10/11/2004	RunNo:	56587	
Client ID:	<th>Batch ID:</th> <td>50510</td> <th>TestNo:</th> <td>SW8082</td> <th></th> <th></th> <th>Analysis Date:</th> <td>10/12/2004</td> <th>SeqNo:</th> <td>1096826</td>	Batch ID:	50510	TestNo:	SW8082			Analysis Date:	10/12/2004	SeqNo:	1096826	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	6.094	1.0	5	0	122	51.8	118	0	0			S
Aroclor 1260	4.948	1.0	5	0	99	45.5	116	0	0			
Surr: Decachlorobiphenyl	0.4807	0	0.5	0	96.1	21.2	141	0	0			
Surr: Tetrachloro-m-xylene	0.6582	0	0.5	0	132	10.8	112	0	0			S

Qualifiers: B Analyte detected in the associated Method Blank  
 H Holding times for preparation or analysis exceeded  
 R RPD outside accepted recovery limits

BRL Below Reporting Limit  
 J Analyte detected below quantitation limits  
 S Spike Recovery outside accepted recovery limits

E Value above quantitation range  
 N Analyte not NELAC certified

CLIENT: Epic Consulting, Inc.  
Work Order: 0410430  
Project: E4124-Allene Ave.

## ANALYTICAL QC SUMMARY REPORT

BatchID: 50510

Sample ID	0410397-002BMSD	SampType:	MSD	TestCode:	8082_W	Units:	µg/L	Prep Date:	10/11/2004	RunNo:	56587	
Client ID:		Batch ID:	50510	TestNo:	SW8082			Analysis Date:	10/12/2004	SeqNo:	1096827	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016		5.922	1.0	5	0	118	51.8	118	6.094	2.86	40	S
Aroclor 1260		4.718	1.0	5	0	94.4	45.5	116	4.948	4.75	20.1	
Surr: Decachlorobiphenyl		0.5256	0	0.5	0	105	21.2	141	0.4807	0	0	
Surr: Tetrachloro-m-xylene		0.6993	0	0.5	0	140	10.8	112	0.6582	0	0	S

Qualifiers: B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
R RPD outside accepted recovery limits

BRL Below Reporting Limit  
J Analyte detected below quantitation limits  
S Spike Recovery outside accepted recovery limits

E Value above quantitation range  
N Analyte not NELAC certified

CLIENT: Epic Consulting, Inc.  
 Work Order: 0410430  
 Project: E4124-Allene Ave.

## ANALYTICAL QC SUMMARY REPORT

BatchID: 50525

Sample ID	MB-50525	SampType	MLBK	TestCode	8270_PAH_W	Units	µg/L	Prep Date	10/11/2004	RunNo:	56595	
Client ID:		Batch ID:	50525	TestNo:	SW8270C			Analysis Date:	10/11/2004	SeqNo:	1096813	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1-Methylnaphthalene		BRL	10									
2-Methylnaphthalene		BRL	10									
Acenaphthene		BRL	10									
Acenaphthylene		BRL	10									
Anthracene		BRL	10									
Benz(a)anthracene		BRL	10									
Benzo(a)pyrene		BRL	10									
Benzo(b)fluoranthene		BRL	10									
Benzo(g,h,i)perylene		BRL	10									
Benzo(k)fluoranthene		BRL	10									
Chrysene		BRL	10									
Dibenz(a,h)anthracene		BRL	10									
Fluoranthene		BRL	10									
Fluorene		BRL	10									
Indeno(1,2,3-cd)pyrene		BRL	10									
Naphthalene		BRL	10									
Phenanthrene		BRL	10									
Pyrene		BRL	10									
Surr: 2-Fluorobiphenyl	42.78	0	50	0	85.6	37	135	0	0	0		
Surr: 4-Terphenyl-d14	48.57	0	50	0	97.1	21.9	145	0	0	0		
Surr: Nitrobenzene-d5	46.06	0	50	0	92.1	32.3	136	0	0	0		

Sample ID	LCS-50525	SampType	LCS	TestCode	8270_PAH_W	Units	µg/L	Prep Date	10/11/2004	RunNo:	56595	
Client ID:		Batch ID:	50525	TestNo:	SW8270C			Analysis Date:	10/11/2004	SeqNo:	1096814	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene		42.56	10	50	0	85.1	57	120	0	0		
Acenaphthylene		43	10	50	0	86	57.4	130	0	0		
Anthracene		46.11	10	50	0	92.2	53.8	145	0	0		
Benz(a)anthracene		44.75	10	50	0	89.5	60.3	132	0	0		
Benzo(a)pyrene		44.2	10	50	0	88.4	49.3	141	0	0		

Qualifiers: B Analyte detected in the associated Method Blank      BRL Below Reporting Limit      E Value above quantitation range  
 H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits      N Analyte not NELAC certified  
 R RPD outside accepted recovery limits      S Spike Recovery outside accepted recovery limits

**CLIENT:** Epic Consulting, Inc.  
**Work Order:** 0410430  
**Project:** E4124-Allene Ave.

## ANALYTICAL QC SUMMARY REPORT

BatchID: 50525

Sample ID	LCS-50525	SampType	LCS	TestCode	8270_PAH_W	Units	µg/L	Prep Date	10/11/2004	RunNo	56595	
Client ID:		Batch ID:	50525	TestNo:	SW8270C			Analysis Date:	10/11/2004	SeqNo:	1096814	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(b)fluoranthene		44.39	10	50	0	88.8	56.5	131	0	0		
Benzo(g,h,i)perylene		50.49	10	50	0	101	41.9	144	0	0		
Benzo(k)fluoranthene		45.79	10	50	0	91.6	50.6	137	0	0		
Chrysene		44.67	10	50	0	89.3	62.5	129	0	0		
Dibenz(a,h)anthracene		49.68	10	50	0	99.4	41.4	141	0	0		
Fluoranthene		45.08	10	50	0	90.2	66.7	128	0	0		
Fluorene		42.91	10	50	0	85.8	62.4	124	0	0		
Indeno(1,2,3-cd)pyrene		48.78	10	50	0	97.6	46.7	138	0	0		
Naphthalene		41.07	10	50	0	82.1	50	120	0	0		
Phenanthrene		44.77	10	50	0	89.5	66.8	124	0	0		
Pyrene		46.67	10	50	0	93.3	62.4	127	0	0		
Surr: 2-Fluorobiphenyl		41.47	0	50	0	82.9	37	135	0	0		
Surr: 4-Terphenyl-d14		47.59	0	50	0	95.2	21.9	145	0	0		
Surr: Nitrobenzene-d5		29.72	0	50	0	59.4	32.3	136	0	0		

Sample ID	0410356-002BMS	SampType	MS	TestCode	8270_PAH_W	Units	µg/L	Prep Date	10/11/2004	RunNo	56595	
Client ID:		Batch ID:	50525	TestNo:	SW8270C			Analysis Date:	10/11/2004	SeqNo:	1096817	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene		82.28	20	100	0	82.3	47.9	127	0	0		
Acenaphthylene		82.68	20	100	0	82.7	52.5	133	0	0		
Anthracene		89.72	20	100	0	89.7	55	140	0	0		
Benz(a)anthracene		88.2	20	100	0	88.2	56	131	0	0		
Benzo(a)pyrene		84.2	20	100	0	84.2	49.3	135	0	0		
Benzo(b)fluoranthene		84.44	20	100	0	84.4	48.2	133	0	0		
Benzo(g,h,i)perylene		92.18	20	100	0	92.2	42.4	141	0	0		
Benzo(k)fluoranthene		91.6	20	100	0	91.6	44.3	134	0	0		
Chrysene		88.82	20	100	0	88.8	54.5	130	0	0		
Dibenz(a,h)anthracene		94.68	20	100	0	94.7	42.7	138	0	0		
Fluoranthene		89.84	20	100	0	89.8	59.9	128	0	0		
Fluorene		82.58	20	100	0	82.6	56.4	128	0	0		

**Qualifiers:** B Analyte detected in the associated Method Blank  
 H Holding times for preparation or analysis exceeded  
 R RPD outside accepted recovery limits

BRL Below Reporting Limit  
 J Analyte detected below quantitation limits  
 S Spike Recovery outside accepted recovery limits

E Value above quantitation range  
 N Analyte not NELAC certified

CLIENT: Epic Consulting, Inc.  
 Work Order: 0410430  
 Project: E4124-Allene Ave.

## ANALYTICAL QC SUMMARY REPORT

BatchID: 50525

Sample ID	0410356-002BMS	SampType	MS	TestCode:	8270_PAH_W	Units:	µg/L	Prep Date:	10/11/2004	RunNo:	56595		
Client ID:		Batch ID:	50525	TestNo:	SW8270C			Analysis Date:	10/11/2004	SeqNo:	1096817		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Indeno(1,2,3-cd)pyrene		91.66		20	100	0	91.7	43.5	138	0	0		
Naphthalene		79.24		20	100	0	79.2	47.1	127	0	0		
Phenanthrene		86.98		20	100	0	87	60.2	127	0	0		
Pyrene		91.52		20	100	0	91.5	55.7	129	0	0		
Surr: 2-Fluorobiphenyl		83.4		0	100	0	83.4	37	135	0	0		
Surr: 4-Terphenyl-d14		90.68		0	100	0	90.7	21.9	145	0	0		
Surr: Nitrobenzene-d5		85.28		0	100	0	85.3	32.3	136	0	0		

Sample ID	0410356-002BMSD	SampType	MSD	TestCode:	8270_PAH_W	Units:	µg/L	Prep Date:	10/11/2004	RunNo:	56595		
Client ID:		Batch ID:	50525	TestNo:	SW8270C			Analysis Date:	10/11/2004	SeqNo:	1096818		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene		85.1		20	100	0	85.1	47.9	127	82.28	3.37	19.6	
Acenaphthylene		85.64		20	100	0	85.6	52.5	133	82.68	3.52	19.5	
Anthracene		94.32		20	100	0	94.3	55	140	89.72	5.00	19.4	
Benz(a)anthracene		89.78		20	100	0	89.8	56	131	88.2	1.78	19.6	
Benzo(a)pyrene		85.86		20	100	0	85.9	49.3	135	84.2	1.95	19.6	
Benzo(b)fluoranthene		85.8		20	100	0	85.8	48.2	133	84.44	1.60	22	
Benzo(g,h,i)perylene		93.78		20	100	0	93.8	42.4	141	92.18	1.72	20.7	
Benzo(k)fluoranthene		92.84		20	100	0	92.8	44.3	134	91.6	1.34	23.9	
Chrysene		90.02		20	100	0	90	54.5	130	88.82	1.34	19.7	
Dibenz(a,h)anthracene		95.98		20	100	0	96	42.7	138	94.68	1.36	20.7	
Fluoranthene		91.76		20	100	0	91.8	59.9	128	89.84	2.11	19.5	
Fluorene		86.42		20	100	0	86.4	56.4	128	82.58	4.54	20.6	
Indeno(1,2,3-cd)pyrene		93.28		20	100	0	93.3	43.5	138	91.66	1.75	20.8	
Naphthalene		82.02		20	100	0	82	47.1	127	79.24	3.45	24.2	
Phenanthrene		90.18		20	100	0	90.2	60.2	127	86.98	3.61	18.8	
Pyrene		93.32		20	100	0	93.3	55.7	129	91.52	1.95	18.5	
Surr: 2-Fluorobiphenyl		85.38		0	100	0	85.4	37	135	83.4	0	0	
Surr: 4-Terphenyl-d14		90.56		0	100	0	90.6	21.9	145	90.68	0	0	
Surr: Nitrobenzene-d5		87.18		0	100	0	87.2	32.3	136	85.28	0	0	

Qualifiers: B Analyte detected in the associated Method Blank  
 H Holding times for preparation or analysis exceeded  
 R RPD outside accepted recovery limits

BRL Below Reporting Limit  
 J Analyte detected below quantitation limits  
 S Spike Recovery outside accepted recovery limits

E Value above quantitation range  
 N Analyte not NELAC certified

CLIENT: Epic Consulting, Inc.  
 Work Order: 0410430  
 Project: E4124-Allene Ave.

## ANALYTICAL QC SUMMARY REPORT

BatchID: 50547

Sample ID: MB-50547	SampType: MBLK	TestCode: 6010B_W_T	Units: mg/L	Prep Date: 10/11/2004	RunNo: 56567
Client ID:	Batch ID: 50547	TestNo: SW6010B		Analysis Date: 10/11/2004	SeqNo: 1096770
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC
Arsenic	BRL	0.0500			
Barium	BRL	0.0200			
Cadmium	BRL	0.00500			
Chromium	BRL	0.0100			
Lead	BRL	0.0100			
Selenium	BRL	0.0200			
Silver	BRL	0.0100			
Sample ID: LCS-50547	SampType: LCS	TestCode: 6010B_W_T	Units: mg/L	Prep Date: 10/11/2004	RunNo: 56567
Client ID:	Batch ID: 50547	TestNo: SW6010B		Analysis Date: 10/11/2004	SeqNo: 1096769
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC
Arsenic	0.9931	0.0500	1	0	99.3
Barium	1.006	0.0200	1	0	101
Cadmium	0.9933	0.00500	1	0	99.3
Chromium	0.9989	0.0100	1	0	99.9
Lead	0.9813	0.0100	1	0	98.1
Selenium	1.008	0.0200	1	0	101
Silver	0.1059	0.0100	0.1	0	106
Sample ID: 0410430-003CMS	SampType: MS	TestCode: 6010B_W_T	Units: mg/L	Prep Date: 10/11/2004	RunNo: 56567
Client ID: SB-6	Batch ID: 50547	TestNo: SW6010B		Analysis Date: 10/11/2004	SeqNo: 1096773
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC
Arsenic	0.9935	0.0500	1	0	99.4
Barium	1.09	0.0200	1	0.08536	100
Cadmium	0.9963	0.00500	1	0.0003	99.6
Chromium	1.006	0.0100	1	0.00283	100
Lead	0.9774	0.0100	1	0	97.7
Selenium	1.006	0.0200	1	0	101
Silver	0.1056	0.0100	0.1	0	106

Qualifiers: B Analyte detected in the associated Method Blank  
 H Holding times for preparation or analysis exceeded  
 R RPD outside accepted recovery limits  
 BRL Below Reporting Limit  
 J Analyte detected below quantitation limits  
 S Spike Recovery outside accepted recovery limits  
 E Value above quantitation range  
 N Analyte not NELAC certified

**CLIENT:** Epic Consulting, Inc.  
**Work Order:** 0410430  
**Project:** E4124-Allene Ave.

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 50547

Sample ID	0410430-003CDUP	SampType:	DUP	TestCode:	6010B_W_T	Units:	mg/L	Prep Date:	10/11/2004	RunNo:	56567	
Client ID:	SB-6	Batch ID:	50547	TestNo:	SW6010B			Analysis Date:	10/11/2004	SeqNo:	1096772	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic		BRL	0.0500	0	0	0	0	0	0	0	20	
Barium		0.08469	0.0200	0	0	0	0	0	0.08536	0.788	20	
Cadmium		BRL	0.00500	0	0	0	0	0	0.0003	0	20	
Chromium		BRL	0.0100	0	0	0	0	0	0.00283	0	20	
Lead		BRL	0.0100	0	0	0	0	0	0	0	20	
Selenium		BRL	0.0200	0	0	0	0	0	0	0	20	
Silver		BRL	0.0100	0	0	0	0	0	0	0	20	

**Qualifiers:** B Analyte detected in the associated Method Blank  
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R RPD outside accepted recovery limits

BRL Below Reporting Limit  
J Analyte detected below quantitation limits  
S Spike Recovery outside accepted recovery limits

E Value above quantitation range  
N Analyte not NELAC certified

**CLIENT:** Epic Consulting, Inc.  
**Work Order:** 0410430  
**Project:** E4124-Allene Ave.

## ANALYTICAL QC SUMMARY REPORT

BatchID: 50551

Sample ID	MB-50551	SampType	MBLK	TestCode	245.1_W	Units	mg/L	Prep Date	10/11/2004	RunNo	56593	
Client ID:		Batch ID:	50551	TestNo:	E245.1			Analysis Date:	10/12/2004	SeqNo:	1097003	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury		BRL	0.000200									
Sample ID	LCS-50551	SampType	LCS	TestCode	245.1_W	Units	mg/L	Prep Date	10/11/2004	RunNo	56593	
Client ID:	<th>Batch ID:</th> <td>50551</td> <th>TestNo:</th> <td>E245.1</td> <th></th> <th></th> <th>Analysis Date:</th> <td>10/12/2004</td> <th>SeqNo:</th> <td>1097004</td>	Batch ID:	50551	TestNo:	E245.1			Analysis Date:	10/12/2004	SeqNo:	1097004	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury		0.004827	0.000200	0.005	0	96.5	85	115	0	0		
Sample ID	0410439-001EMS	SampType	MS	TestCode	245.1_W	Units	mg/L	Prep Date	10/11/2004	RunNo	56593	
Client ID:	<th>Batch ID:</th> <td>50551</td> <th>TestNo:</th> <td>E245.1</td> <th></th> <th></th> <th>Analysis Date:</th> <td>10/12/2004</td> <th>SeqNo:</th> <td>1097006</td>	Batch ID:	50551	TestNo:	E245.1			Analysis Date:	10/12/2004	SeqNo:	1097006	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury		0.004907	0.000200	0.005	0.00007033	96.7	70	130	0	0		
Sample ID	0410439-001EMSD	SampType	MSD	TestCode	245.1_W	Units	mg/L	Prep Date	10/11/2004	RunNo	56593	
Client ID:	<th>Batch ID:</th> <td>50551</td> <th>TestNo:</th> <td>E245.1</td> <th></th> <th></th> <th>Analysis Date:</th> <td>10/12/2004</td> <th>SeqNo:</th> <td>1097007</td>	Batch ID:	50551	TestNo:	E245.1			Analysis Date:	10/12/2004	SeqNo:	1097007	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury		0.004903	0.000200	0.005	0.00007033	96.6	70	130	0.004907	0.0806	20	

**Qualifiers:** B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
R RPD outside accepted recovery limits  
BRL Below Reporting Limit  
J Analyte detected below quantitation limits  
S Spike Recovery outside accepted recovery limits  
E Value above quantitation range  
N Analyte not NELAC certified

CLIENT: Epic Consulting, Inc.  
Work Order: 0410430  
Project: E4124-Allene Ave.

## ANALYTICAL QC SUMMARY REPORT

BatchID: 50552

Sample ID	MB-50552	SampType:	MLBK	TestCode:	8260_TCL4.2	Units:	µg/L	Prep Date:	10/11/2004	RunNo:	56598		
Client ID:		Batch ID:	50552	TestNo:	SW8260B			Analysis Date:	10/11/2004	SeqNo:	1096895		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane		BRL	5.0										
1,1,2,2-Tetrachloroethane		BRL	5.0										
1,1,2-Trichloroethane		BRL	5.0										
1,1-Dichloroethane		BRL	5.0										
1,1-Dichloroethene		BRL	5.0										
1,2,4-Trichlorobenzene		BRL	5.0										
1,2-Dibromo-3-chloropropane		BRL	5.0										
1,2-Dibromoethane		BRL	5.0										
1,2-Dichlorobenzene		BRL	5.0										
1,2-Dichloroethane		BRL	5.0										
1,2-Dichloropropane		BRL	5.0										
1,3-Dichlorobenzene		BRL	5.0										
1,4-Dichlorobenzene		BRL	5.0										
2-Butanone		BRL	10										
2-Hexanone		BRL	10										
4-Methyl-2-pentanone		BRL	10										
Acetone		BRL	20										
Benzene		BRL	5.0										
Bromodichloromethane		BRL	5.0										
Bromoform		BRL	5.0										
Bromomethane		BRL	5.0										
Carbon disulfide		BRL	5.0										
Carbon tetrachloride		BRL	5.0										
Chlorobenzene		BRL	5.0										
Chloroethane		BRL	10										
Chloroform		BRL	5.0										
Chloromethane		BRL	10										
cis-1,2-Dichloroethene		BRL	5.0										
cis-1,3-Dichloropropene		BRL	5.0										
Cyclohexane		BRL	5.0										
Dibromochloromethane		BRL	5.0										

Qualifiers: B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
R RPD outside accepted recovery limits

BRL Below Reporting Limit  
J Analyte detected below quantitation limits  
S Spike Recovery outside accepted recovery limits

E Value above quantitation range  
N Analyte not NELAC certified

CLIENT: Epic Consulting, Inc.  
 Work Order: 0410430  
 Project: E4124-Allene Ave.

## ANALYTICAL QC SUMMARY REPORT

BatchID: 50552

Sample ID	MB-50552	SampType:	MBLK	TestCode:	8260_TCL4.2	Units:	µg/L	Prep Date:	10/11/2004	RunNo:	56598	
Client ID:		Batch ID:	50552	TestNo:	SW8260B			Analysis Date:	10/11/2004	SeqNo:	1096895	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane		BRL	10									
Ethylbenzene		BRL	5.0									
Freon-113		BRL	10									
Isopropylbenzene		BRL	5.0									
m,p-Xylene		BRL	10									
Methyl acetate		BRL	5.0									
Methyl tert-butyl ether		BRL	5.0									
Methylcyclohexane		BRL	5.0									
Methylene chloride		BRL	5.0									
o-Xylene		BRL	5.0									
Styrene		BRL	5.0									
Tetrachloroethene		BRL	5.0									
Toluene		BRL	5.0									
trans-1,2-Dichloroethene		BRL	5.0									
trans-1,3-Dichloropropene		BRL	5.0									
Trichloroethene		BRL	5.0									
Trichlorofluoromethane		BRL	5.0									
Vinyl chloride		BRL	2.0									
Surr: 4-Bromofluorobenzene	46.77	0	50	0	93.5	63.1	121	0	0	0		
Surr: Dibromofluoromethane	43.91	0	50	0	87.8	69.5	126	0	0	0		
Surr: Toluene-d8	49.44	0	50	0	98.9	74.2	120	0	0	0		

Sample ID	LCS-50552	SampType:	LCS	TestCode:	8260_TCL4.2	Units:	µg/L	Prep Date:	10/11/2004	RunNo:	56598	
Client ID:		Batch ID:	50552	TestNo:	SW8260B			Analysis Date:	10/11/2004	SeqNo:	1096918	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene		60.86	5.0	50	0	122	58.1	142	0	0		
Benzene		50	5.0	50	0	100	74	127	0	0		
Chlorobenzene		51.53	5.0	50	0	103	79.8	118	0	0		
Toluene		49.81	5.0	50	0	99.6	78.5	124	0	0		
Trichloroethene		48.36	5.0	50	0	96.7	74.2	138	0	0		

Qualifiers: B Analyte detected in the associated Method Blank  
 H Holding times for preparation or analysis exceeded  
 R RPD outside accepted recovery limits

BRL Below Reporting Limit  
 J Analyte detected below quantitation limits  
 S Spike Recovery outside accepted recovery limits

E Value above quantitation range  
 N Analyte not NELAC certified

CLIENT: Epic Consulting, Inc.  
 Work Order: 0410430  
 Project: E4124-Allene Ave.

## ANALYTICAL QC SUMMARY REPORT

BatchID: 50552

Sample ID	LCS-50552	SampType:	LCS	TestCode:	8260_TCL4.2	Units:	µg/L	Prep Date:	10/11/2004	RunNo:	56598
Client ID:		Batch ID:	50552	TestNo:	SW8260B			Analysis Date:	10/11/2004	SeqNo:	1096918
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Surr: 4-Bromofluorobenzene		45.36	0	50	0	90.7	63.1	121	0	0	
Surr: Dibromofluoromethane		45.84	0	50	0	91.7	69.5	126	0	0	
Surr: Toluene-d8		47.62	0	50	0	95.2	74.2	120	0	0	
Sample ID	0410327-022AMS	SampType:	MS	TestCode:	8260_TCL4.2	Units:	µg/L	Prep Date:	10/11/2004	RunNo:	56598
Client ID:		Batch ID:	50552	TestNo:	SW8260B			Analysis Date:	10/11/2004	SeqNo:	1096915
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
1,1-Dichloroethene		60.21	5.0	50	0	120	51.1	151	0	0	
Benzene		50.73	5.0	50	0	101	68.9	131	0	0	
Chlorobenzene		53.63	5.0	50	0	107	75.4	123	0	0	
Toluene		50.69	5.0	50	0	101	74.8	128	0	0	
Trichloroethene		49.71	5.0	50	0	99.4	66.3	145	0	0	
Surr: 4-Bromofluorobenzene		46.65	0	50	0	93.3	63.1	121	0	0	
Surr: Dibromofluoromethane		45.71	0	50	0	91.4	69.5	126	0	0	
Surr: Toluene-d8		47.1	0	50	0	94.2	74.2	120	0	0	
Sample ID	0410327-022AMSD	SampType:	MSD	TestCode:	8260_TCL4.2	Units:	µg/L	Prep Date:	10/11/2004	RunNo:	56598
Client ID:		Batch ID:	50552	TestNo:	SW8260B			Analysis Date:	10/11/2004	SeqNo:	1096916
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
1,1-Dichloroethene		58.3	5.0	50	0	117	51.1	151	60.21	3.22	14.3
Benzene		49.2	5.0	50	0	98.4	68.9	131	50.73	3.06	10
Chlorobenzene		52.63	5.0	50	0	105	75.4	123	53.63	1.88	10
Toluene		49.92	5.0	50	0	99.8	74.8	128	50.69	1.53	10
Trichloroethene		48.44	5.0	50	0	96.9	66.3	145	49.71	2.59	11
Surr: 4-Bromofluorobenzene		46.7	0	50	0	93.4	63.1	121	46.65	0	0
Surr: Dibromofluoromethane		45.38	0	50	0	90.8	69.5	126	45.71	0	0
Surr: Toluene-d8		47.66	0	50	0	95.3	74.2	120	47.1	0	0

Qualifiers: B Analyte detected in the associated Method Blank  
 H Holding times for preparation or analysis exceeded  
 R RPD outside accepted recovery limits

BRL Below Reporting Limit  
 J Analyte detected below quantitation limits  
 S Spike Recovery outside accepted recovery limits

E Value above quantitation range  
 N Analyte not NELAC certified

**APPENDIX D**  
**POTENTIAL RECEPTOR SURVEY**

## Local Water Resource Survey

Project Name: Commercial Property      Epic Project # E4124.01

Location: 1121-1135 Allene Avenue      County: Fulton

Longitude: -84 24' 49"      Latitude: 33 43' 25"

### Groundwater Pollution Susceptibility

- High/Average (1/2 mile private, 2 mile public)  
 Lower (1/4 mile private, 1 mile public)

The presence of local water resources is of major concern when determining the applicable State Threshold Limits for petroleum constituents. The possible presence of local water resources in the area was investigated by any and/or all of the following means:

- Conversations with county and/or city officials.
- A drive-by reconnaissance of the surrounding area for the specified radii.
- Conversations with local residents.
- A USGS well survey for the specified radii.
- GA EPD project files.
- State GAGS publications.
- State water resources lists of public water supplies.
- County/City Health records
- Certified mail to adjacent property owners.

- No private or public drinking water resources were discovered within the specified radii.  
 Drinking water supplies were discovered within specified radii.

Surface water receptors were also investigated during this study.

The nearest surface water body is: unnamed tributary in Perkerson Park

The distance to the surface water body is: \_\_\_\_\_ mile or \_\_\_\_\_ feet.

## USGS Well Search

Site Latitude 334325  
 Site Longitude 842449

County Code	Local Well #	Well Identifier	Latitude	Longitude	Horizontal Datum	Vertical Altitude	Depth of Well Datum	Depth of Casing	Diameter	Casing Material	Top of open Interval	Bottom of open interval	Type of Opening	Date of Construction	Discharge	Well Type	Approx. Distance from site (feet)	
121	10DD55	BROWN TRANSPORT	334308	842359	NAD27	940	NGVD29	325	40	S	40	325	X	197710	45	C	4670	
121	10DD67	NABISCO INC. (WELL NO. 2)	334258	842523	NAD27	1045	NGVD29	1025	8							N	5584	
121	10DD57	JOHNSON-FLOKER CO.	334418	842424	NAD27	1000	NGVD29	580	56	S	56	580	X	197108	55	U	5605	
121	10DD52	NABISCO CO.	334258	842527	NAD27	1045	NGVD29	376								N	5638	
121	10DD88	FORT MCPHERSON-BLDG 105	334237	842539	NAD27	1045	NGVD29	20.18	5	P	5	20.18	S	19910618	0.34	U	6975	
121	10DD58	U. S. PLT & BMPR SVC	334328	842307	NAD27	980	NGVD29	325	44	S	44	325	X	196211	45	C	7191	
121	10DD45	U. S. GOVERNMENT	334219	842543	NAD27	1050	NGVD29	689	113	S	113	689	X		20	P	7944	
121	10DD02	US ARMY FT MCPHERSON	334207	842648	NAD27	1013	NGVD29	338	41	S	41	341	X	1939	20	U	8675	
121	10DD73	U.S. GOVT. FT. MCPHERSON	334208	842653	NAD27	1015	NGVD29									I	8778	
121	10DD70	U.S. GOVT. FT. MCPHERSON	334237	842605	NAD27	998	NGVD29		33	S	33	725	X	198202		I	9502	
121	10DD44	U. S. GOVERNMENT	334245	842614	NAD27	990	NGVD29	500	86	10	S	86	500	X	1904	5	P	9638
121	10DD43	U. S. GOVERNMENT	334245	842615	NAD27	990	NGVD29	500		10					1885	65	P	9680
121	10DD72	U.S. GOVT. FT. MCPHERSON	334238	842609	NAD27	974	NGVD29		71	S	71	605	X	198202		I	9704	
121	10DD42	U. S. GOVERNMENT	334248	842617	NAD27	1010	NGVD29	250		8					1882	21	P	9739
121	10DD58	STATE OF GA BLD AUTH	334459	842320	NAD27	970	NGVD29	507	86		S	86	507	X	1978	80	I	10359
121	10DD85	FORT MCPHERSON-GOLF COURS	334220	842613	NAD27	990	NGVD29	30.8	10.8	2	P	10.8	30.6	P	19920108	0.3	U	10424
121	10DD71	U.S. GOVT. FT. MCPHERSON	334211	842608	NAD27	974	NGVD29		25	S	25	760	X	198202		I	10565	
121	10EE35	FEDERAL BLDG DWATRNG WELL	334513	842338	NAD27	1019.87	NGVD29	81	80	4.5	P	80	81	P	1994	5	D	12603
121	10DD16	EAST POINT, GA (1940)	334158	842609	NAD27	980	NGVD29	402		10					1940	75	P	12888
121	10DD80	SOTHRN WOOD PDMONT (PW-7)	334135	842642	NAD27	990	NGVD29	100	80	S	60	100	X	198907		D	15018	
121	10DD76	SOTHRN WOOD PDMONT (PW-2)	334135	842643	NAD27	1016.5	NGVD29	350	110	S	110	350	X	19871124	31.6	D	15049	
121	10DD81	SOTHRN WOOD PDMONT (PW-8)	334134	842642	NAD27	1010	NGVD29	115	75	S	75	115	X	198907		D	15062	
121	10DD82	SOTHRN WOOD PDMONT (PW-9)	334133	842644	NAD27	1030	NGVD29	100	60	S	60	100	X	198907		D	15173	
121	10DD79	SOTHRN WOOD PDMONT (PW-6)	334131	842649	NAD27	1040	NGVD29	75	35	S	35	75	X	198907		D	15429	
121	10DD84	STHRN WOOD PDMONT (PW-11)	334129	842647	NAD27	1040	NGVD29	75	35	S	35	75	X	198907		D	15454	
121	10DD74	SOUTHERN WOOD PDMONT PW-1	334130	842650	NAD27	1020	NGVD29	250	21.5	S	21.5	250	X	19870618	10.3	D	15508	
121	10DD77	So. wood pied (pw-4)	334129	842649	NAD27				20	S	20	60	X	198907			15520	
121	10DD78	SOTHRN WOOD PDMONT (PW-5)	334128	842648	NAD27	1060	NGVD29	82	42	S	42	82	X	198907		D	15533	
121	10DD83	SOTHERN WOOD PDMONT(PW-10)	334127	842648	NAD27	1020	NGVD29	75	35	S	35	75	X	198907		D	15578	